

mesoestetic®

cosmelan®

85



Me

dark spots under
expert light

cosmelan®

the authentic
depigmenting
method

the element for skincare experts

Exclusively distributed by

Cryomed
aesthetics

Our patients say...

"From day one I noticed how the spots began to fade. The change was so quick it seemed unbelievable".

Valeria, 29 years old, Puerto Rico.

"The **cosmelan**® treatment gave me back my self-esteem. I recommend it to those who have tried everything with no success and are looking to regain confidence in their skin".

Indira, 33 years old, India.

"I had lots of skin spots. I had the treatment a year ago and got very good results. The best thing is that I haven't had repigmentation since then, and my skin has stayed even and radiant".

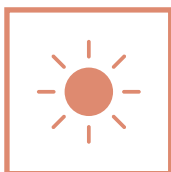
Nicole, 37 years old, South Africa.

"After trying different options without any success, this treatment was the first one that offered me visible results. It helped me feel better about my skin and more confident in my daily life".

Evelyn, 35 years old, Philippines.

"My skin has changed completely. I have noticed an overall improvement in the appearance of my skin: it is brighter, has a better texture and is visibly rejuvenated. I am very satisfied with the results".

Chris, 40 years old, Australia.



Suitable
all
year round



More than
1 million
patients



Dual action
of unique
effectiveness



Excellent
clinical
results

Our professionals say...

"**cosmelan**[®] is the most in-demand depigmentation treatment in our clinic. Its proven effectiveness in correcting hyperpigmentation guarantees spectacular results, making it the preferred option for restoring radiance and confidence in your skin".

Upsana Kular, Omarosa Laser Ltd, UK.

"**cosmelan**[®] is effective even in cases where other treatments have failed. Unlike many other methods, cosmelan targets the root cause of persistent pigmentation problems, providing visible and long-lasting results. It is a solution that significantly improves skin tone and texture, helping patients regain confidence in their appearance".

Erika Gulbinaite, Luxurious Beauty Boutique, United Kingdom.

"**cosmelan**[®] is a transformative tool that not only effectively treats hyperpigmentation, but also helps unify skin tone and visibly improve skin quality. Therefore, it has become a fundamental pillar of our protocols".

Ana Puelles Lostao, Estética Lostao, Spain.

"All skin types, from the lowest to the highest phototypes, can be treated safely and effectively with **cosmelan**[®]. In addition, it offers additional benefits, such as skin renewal and rejuvenation, and can be performed both in winter and summer".

Dr Tino Solomon, DR.
Medispa, UK.



High
patient
satisfaction



Wide
professional
trust



Patent
that endorses
its innovation

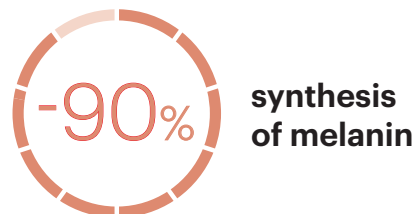
cosmelan®: what is it and what does it consist of?

cosmelan® is a depigmenting method that reduces the appearance of pigmentation of melanic origin and prevents its reappearance, achieving visible results in the short term, while maintaining the hyperpigmentation under control for a long-lasting outcome.

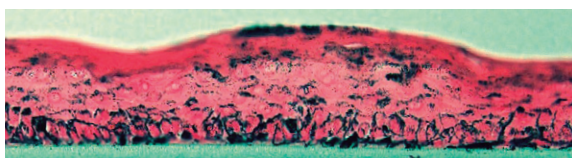
DEPIGMENTATION ACTION

in vitro results

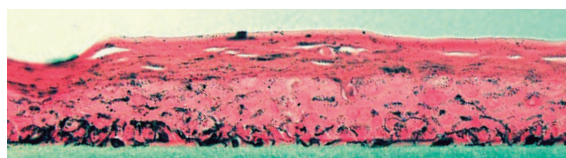
Total melanin test in melanocyte culture stimulated with L-Tyrosine and treated with cosmelan®.



results



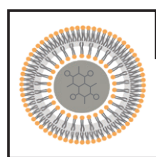
Control



cosmelan®

Images obtained by optical microscopy in a 3D model of untreated skin (control) and with cosmelan® treatment.

Encapsulated complex



cosmesome®

A flexible, encapsulated complex containing two active ingredients with antioxidant properties: **apigenin and phloretin**. Its three-dimensional structure provides stability to the active ingredients.

Decrease of melanin



Autophagy²

Auto-regulating mechanism for the overproduction of melanin.

x3

autophagy markers

⌋ ATG5, ATG7, LC3



Epigenetics³

Reduction of the gene expression of enzymes that activate melanogenesis.

⌋ DCT, MITF and TYRP1.

Anti-ageing action⁴

Increase in collagen and elastin synthesis.

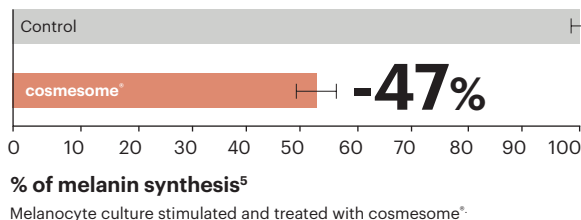
Reduction of metalloproteinases (MMPs), enzymes that degrade collagen.

⌋ TIMP1, which inhibits MMPs.

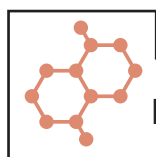
in vitro results

EFFICACY OF cosmesome®

We have proven the efficacy of the depigmentation action of the apigenin and phloretin complex encapsulated in a delivery system.



Patent that endorses its innovation



melaphenone®



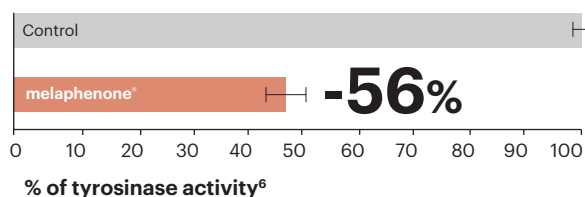
Proprietary molecular design. Its 3D composition and molecular structure offer high safety and specificity in inhibiting the activity of the enzyme tyrosinase.

DEPIGMENTATION ACTION

In vitro results

EFFICACY OF melaphenone®

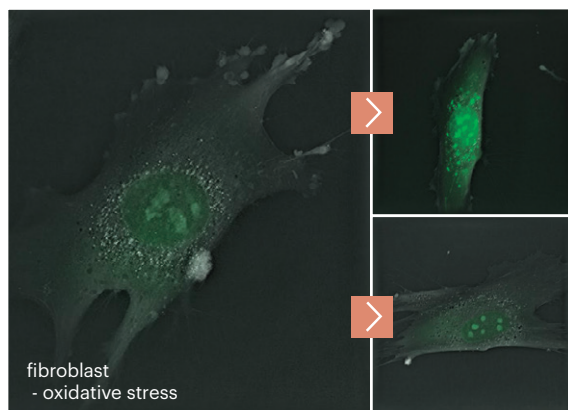
Its efficacy in inhibiting the enzyme tyrosinase is proven by regulating melanin synthesis.



Melanocyte culture stimulated and treated with melaphenone®.

OXIDATIVE ANTI-STRESS ACTION⁷

In an *in vitro* test with fibroblasts, a fluorogenic probe was used to detect reactive oxygen species (ROS). After inducing oxidative stress, fluorescence intensity was evaluated as an indicator of cell damage.



control + oxidative stress

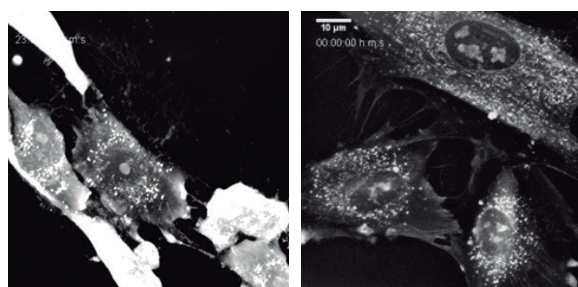
In the control subject to oxidative stress, we observe an **increase in fluorescence** (mainly in the nucleus), which is indicative of a greater production of ROS and, therefore, of **cell damage**.

melaphenone® + oxidative stress

In the fibroblast culture subject to oxidative stress and treated with melaphenone®, we observe a **fluorescence reduction**, similar to the initial state, which evidences the protective effect of melaphenone® and its **antioxidant capacity**.

ANTI-GLYCATION ACTION⁸

In a real-time 3D microscopy analysis, we can see that glycation causes cell damage, showed by typical morphological changes of cell death (control).



control

melaphenone®

Cells treated with melaphenone® keep their structural integrity and cell activity, which proves their **protective effect against the damage induced by glycation**.

cosmelan® how does it work?

The **cosmelan®** formula is a unique combination of active ingredients of proven efficacy that acts on the entire process of pigmentation formation, with the aim of removing the accumulation of existing melanin and inhibiting the formation of new pigmentation.

Pigmentation formation process

Melanin built up on the skin surface,
forming visible pigmentation.

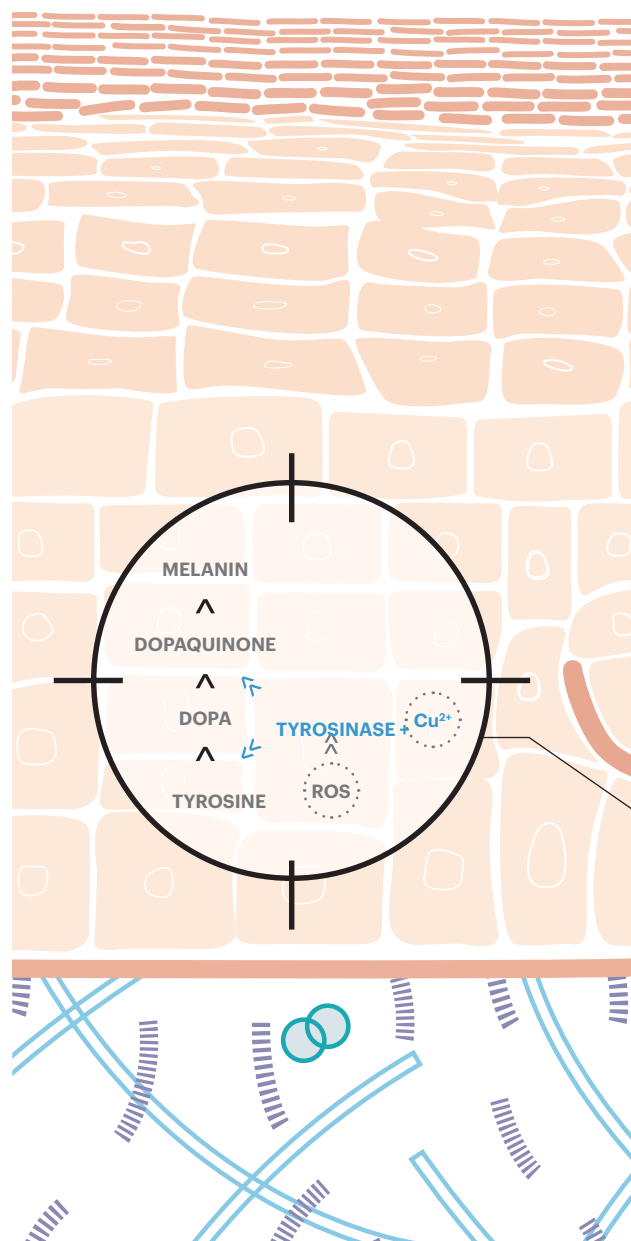
Melanin rise to the uppermost skin layers and
darkening of the pigment.

The melanin formed is transferred to the
keratinocytes via the melanocyte dendrites.

Stimulation of melanin synthesis by multiple factors
(sun radiation, genetic predisposition, hormonal
changes, inflammatory processes, etc.).

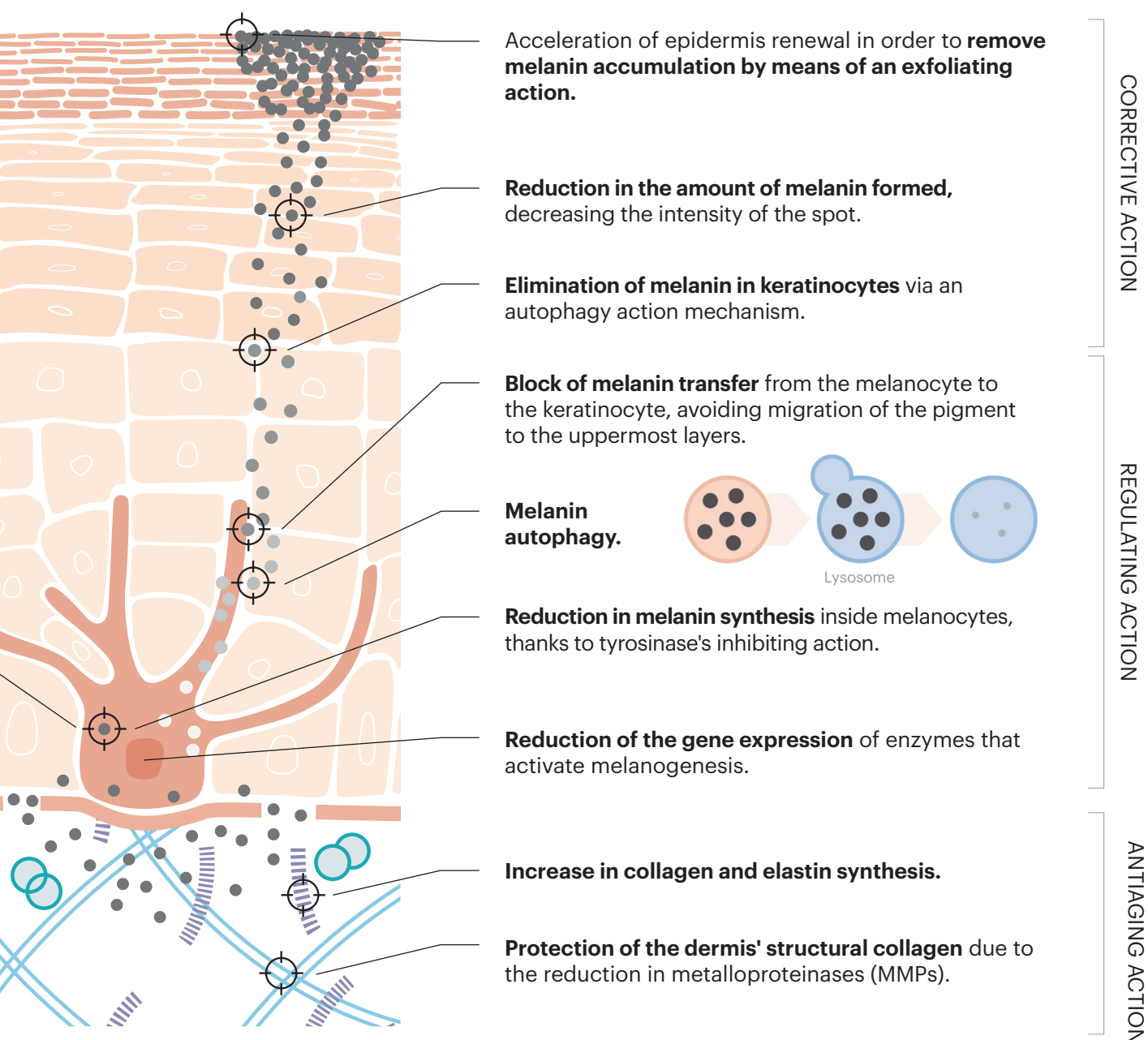
Alteration of the dermoepidermal barrier.
The melanin formed descends to the dermis.

Structural changes in collagen and elastin (solar
elastosis).



The synergy of its **corrective, regulatory** and **anti-ageing** action makes it a unique and comprehensive treatment.

action mechanisms **cosmelan®**



cosmelan®: products and protocol

Product for exclusive use of professionals



oil removing solution

Oil removing solution.

CLEANSING AND PREPARING

Apply oil removing solution on clean, dry skin with the help of a gauze. It helps remove the hydrolipid film in order to facilitate the penetration of active ingredients, maximising the treatment's efficacy.

10-ml bottle



cosmelan® 1

Facial mask for professional use.

INTENSIVE DEPIGMENTATION PRODUCT

Professional treatment with a concentrated formula that allows to intensively stimulate skin renewal to reduce the existing pigmentation.

6/8h action time, depending on the severity of the pigmentation and the skin's characteristics.

10-g jar

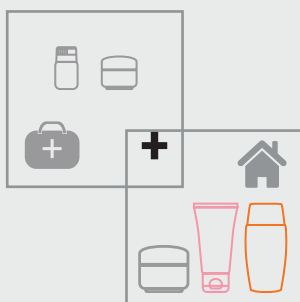


Depigmenting power



Regulating capacity

The **cosmelan®** method must be completed to achieve the target outcome.



The synergistic action of the method's products ensure:

- ⋈ Greater depigmentation **efficacy**.
- ⋈ Further **comfort** during the treatment.
- ✓ Lower **risk of repigmentation**.

Following the home care guidelines is key to achieve the short-term and long-term depigmentation goal.

🏠 Products to be used at home



cosmelan[®] 2

Facial cream for home use.

DEPIGMENTING AND REGULATING

Depigmenting cream for home use complementing **cosmelan[®] 1** that continuously reduces pigmentation and regulates melanin overproduction, reducing their reappearance.

30-g jar



Depigmenting power



Regulating capacity



mesoprotech[®] melan 130 pigment control

Facial sunscreen for home use.

SPECIFIC PHOTOPROTECTION FOR PIGMENTED SKIN

Very high sun protection with colour and with maximum efficacy and safety against UVB and UVA. It protects the skin and helps control skin pigmentation.

50-ml bottle



Protective action



Regulating capacity



melan recovery

Facial balm for home use.

SOOTHING AND REGENERATING

Renourishes and rebalances skin subject to tissue renewal treatments.

Soothes and reduces sensitivity, providing comfort against inflammation and redness.

50-ml tube



Soothing action



Regulating capacity



oil removing
solution



cosmelan® 1



TREATMENT IN-CLINIC



intensive
depigmentation

STEP 1

SKIN CLEANSING AND PREPARATION

Apply **oil removing solution** on clean, dry skin with the help of a gauze.

STEP 2

APPLICATION OF THE COSMELAN® 1 MASK

Apply the **cosmelan® 1** mask evenly to the whole face, with the help of a spatula or your hands, using gloves. Avoid the eye contour.

To ensure its efficacy, we recommended applying the entire product.

severity \ skin	normal/ combination oily	dry/sensitive or thin
Moderate	8h	6h
Severe	8h	8h

cosmelan® 1 exposure time guideline table, according to the recommendations of mesoestetic.

Allow to act on the skin for the time recommended by the professional.

It is important to ensure that the mask remains wet throughout its use. Hydrotonic mist can be used to prevent it from drying.



PRE-TREATMENT

After having identified the pigmented imperfection and the skin type, it is recommended to perform a treatment of the **mesopeel® melanostop tranex** to prepare the skin.

*Perform the treatment 15 days before **cosmelan® 1**.*



cosmelan® 2

melan
recoverymesoprotech® melan
130 pigment controlhydracream
fusion

6-8h



7 days



HOME TREATMENT

6 MONTHS

continuous depigmentation and
regulation of hyperpigmentation



COSMELAN® 1 REMOVAL

After the exposure time has elapsed, remove **cosmelan® 1** with lukewarm water.

In case of dehydration or skin irritation, the patient should be advised to apply supplementary products formulated to soothe and restore the skin.

It is important to tell the patient to apply sun protection products daily, with frequent reapplications throughout the day.

Initiate the home treatment 7 days after removing the mask.

The home guideline provides a **continuous depigmentation effect**, progressively reducing hyperpigmentation during the treatment. It also has a long-term **regulating effect** inside the melanocyte, reducing melanin synthesis and acting on the origin of hyperpigmentation **to control pigmentation reappearance**.

RECOMMENDED HOME GUIDELINE



Use the mild cleanser **hydracream fusion** and apply **cosmelan® 2** twice a day (morning and night) followed by **melan recovery**. In the morning, supplement with **mesoprotech® melan 130 pigment control**.



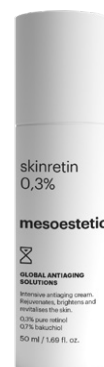
cosmelan® is a dose-dependent treatment.

During the home phase, depending on the individual reactivity, if the expected reactions prevent you from following the established guideline, temporarily reduce the number of daily applications and resume the guideline once the skin has recovered.

Reapply **melan recovery** whenever the skin needs it, and **melan 130 pigment control** every 2-3 hours during the daytime.



cosmelan® 2

melan tran3x
concentratemelan tran3x
gel cream

skinretin 0,3%

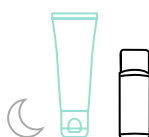
🏠 MAINTENANCE ROUTINE

maintenance of results
and control of hyperpigmentation

State-of-the-art home depigmentation treatment composed of two synergistic references: **melan tran3x concentrate** and **melan tran3x gel cream**. Their combined daily use provides a continuous and gradual reduction of excess melanin and comprehensive action on all phases of the melanogenesis process.

Complementary to professional depigmentation treatments to enhance and prolong their results.

RECOMMENDED HOME GUIDELINE



Use the mild cleanser **hydracream fusion**, apply **melan tran3x concentrate** in the morning, followed by **melan tran3x gel cream**, and **mesoprotech® melan 130 pigment control**.



During your nighttime routine, cleanse your face with **hydracream fusion** and alternate the application of **skinretin 0,3%** and **cosmelan® 2**, their recommended application being two nights per week.

🏠 Maintenance products



melan tran3x concentrate

INTENSIVE DEPIGMENTATION PRODUCT

Intensive anti-blemish concentrate with tranexamic acid that acts on pigmentation, visibly reducing the appearance of pigmentation.

30-ml bottle with drop applicator



melan tran3x gel cream

DAILY DEPIGMENTATION PRODUCT

Daily depigmenting gel-cream with tranexamic acid that gradually acts on facial hyperpigmentation to unify skin tone.

50-ml airless container



skinretin 0,3%

REGENERATION AND RENEWAL

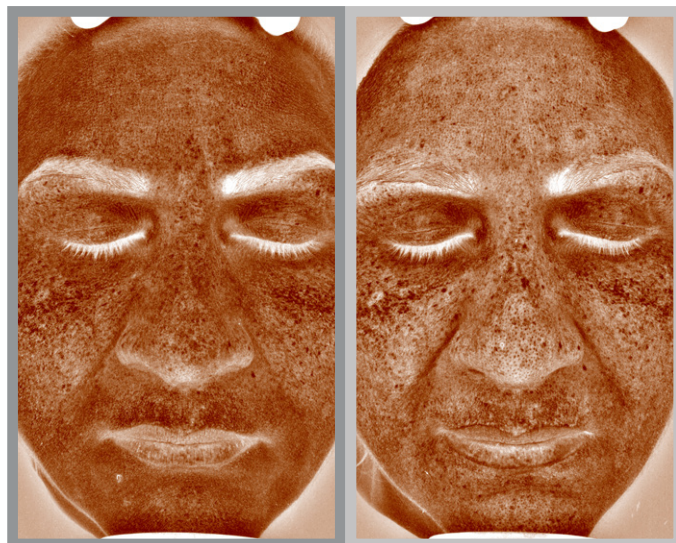
Intensive night cream with a regenerative and renewing action. Brightens and revitalises the skin.

50-ml airless container

 cosmelan®: clinical results*

before

after



before

after



before

after



before

after



before

after

Clinical case with Dr Zeenit Sheikh



before

after

Clinical case with Dr Zeenit Sheikh

Soothing solutions for possible signs of skin irritation or dehydration

Irritation



30-ml bottle with drop applicator

skin balance

Intensive concentrate with a soothing effect.



Irritation
Intense itching

PROTOCOL

1. Cleanse your face with **hydracream fusion**.
2. Apply **skin balance**.
3. Follow the home guidelines indicated for the **cosmelan®** treatment.

EXPERT TIP

To protect and moisturise sensitive areas, use **mesolips protector**.



100-ml tube

anti-stress mask

Intensive soothing mask.



Irritation
Erythema
Redness

RECOMMENDED WEEKLY SCHEDULE

1. Apply 2 nights a week for **20 minutes**, before **cosmelan®** 2.

Increase frequency depending on the degree of skin irritation.

Dehydration



30-ml bottle with drop applicator

ha densimatrix

Hyaluronic acid concentrate.



Dehydration
Skin fragility
Peeling

PROTOCOL

1. Cleanse the face with **hydracream fusion**.
2. Apply **ha densimatrix**.
3. Follow the home guidelines indicated for the **cosmelan®** treatment.

EXPERT TIP

Proteoglycans ampoules: for better hydration and strengthening of the skin barrier, apply twice a day.



100-ml tube

hydravital mask

Intensive moisturising mask.



Dry skin
Dehydrated skin
Intense peeling

RECOMMENDED WEEKLY SCHEDULE

1. Apply 2 nights a week for **20 minutes**, before **cosmelan®** 2.

Increase frequency depending on the degree of skin irritation.

cosmelan®: clinical results. Patient's development.

≡ D0



TREATMENT START

Application of **cosmelan® 1** at the clinic.



cosmelan® 1



D0



D0

≡ D7



START OF THE HOME GUIDELINE



cosmelan® 2



+



melan
recovery

+



mesoprotech® melan
130 pigment control

Attenuation of some **hyperpigmentation** is observed (e.g. lip).



D7



D7



anti-stress
mask

They present **itching, tightness and redness in the face**, so they begin to apply the **anti-stress mask** to **soothe the skin and reduce redness**.

≡ D15

We can see **that the hyperpigmentation is reduced**.

In addition, increased **brightness and an improvement of skin quality** is observed, despite feeling greater dryness.



D15



D15

cosmelan®: clinical results. Patient's development.

D30

The presence of localised and isolated scabs with a limited duration of 2-3 days is observed.*

Protection of the scabs with **protective mesolips** and the application of **skin balance** to soothe the skin is indicated.

* The onset of scabs does not occur in all cases nor at the same point of the treatment.



D30



D30

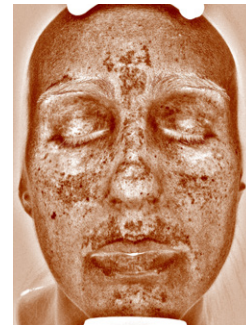
D90

23-DAY HOLIDAY OVER SUMMER PERIOD

Despite sun exposure, **no increase in pigmentation is observed.**



D90



D90

D180

END OF TREATMENT

Maximum depigmentation is achieved at 6 months.



cosmelan® 2 melan tran3x concentrate melan tran3x gel cream skinretin 0,3%

Start of maintenance schedule.



D180



D180

12M

MAINTENANCE

One year after completing the 6-month intensive treatment regimen, **there has been no significant repigmentation and the results obtained are maintained.**



12M



12M

Other complementary depigmentation solutions

Products for professional use



50-ml bottle

mesopeel® melanostop tranex

Depigmentation peel that accelerates epidermal renewal to eliminate superficial melanin. Provides a visible improvement in tone and luminosity.

INDICATIONS

Superficial and epidermal hyperpigmentation, ephelides, dull or uneven skin tone and photoageing.

COMPOSITION

Glycolic acid, kojic acid, salicylic acid, tranexamic acid, hexylresorcinol, caffeic acid.



+ seno peptide®, exclusive peptide that provides an anti-ageing action as it selectively induces the elimination of senescent cells.



PROTOCOL

Number of recommended layers: 2 layers
Exposure time: 5 minutes per layer
ml per layer: 2 ml



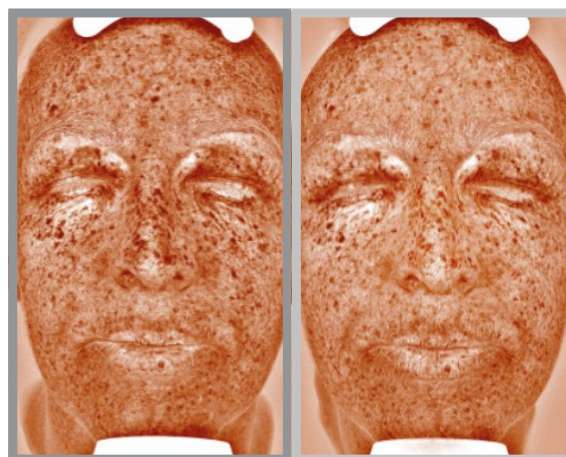
RECOMMENDED SESSIONS

5 sessions with intervals of 15 days.
Maintenance every 2-3 months.



before

after



before

after

Medical unit. mesoestetic® Pharma Group, S.L. 2023.

indications for supplementary solutions

As a pre-treatment

After having identified the pigmented imperfection and the skin type, we can carry out a treatment to prepare the skin 15 days before the treatment with cosmelan®. Recommended for patients who have not previously undergone treatments requiring intensive epidermal renewal.

As a body depigmentation treatment

Pigmentation in body areas, such as friction zones and armpits, of varying intensity. Flexible, minimally invasive protocols.

Other complementary depigmentation solutions

Products for professional use



c.prof 210 depigmentation solution

Transepidermal solution that regulates melanin production and removes the melanin responsible for visible pigmentation.

INDICATIONS

Superficial and post-inflammatory hyperpigmentation (PIH) in light and medium phototypes (I-III), or in skin with a dull or uneven tone.

COMPOSITION

Vitamin C + idebenone + N-acetyl glucosamine (NAG) + tranexamic acid

Compatible with different delivery systems:



microneedling



electrophoroporation



microcurrents



radiofrequency



thermotherapy



electrostimulation



mechanical
and manual
stimulation



ultrasound, cavitation



before



after

Medical unit. mesoestetic Pharma Group, S.L. 2017.

As a post-laser treatment

Indicated as a supplementary post-laser protocol for medium and dark skin phototypes to maintain and optimise the aesthetic results of the treatment.

As a maintenance treatment

After treatment with cosmelan® to keep recurrent or chronic pigmentation under control and enhance results.



More than 1 million patients. A long track record guarantees the efficacy of the cosmelan® method.

Dual action with unique efficacy. Comprehensive treatment with short- and long-term results to maintain hyperpigmentation under control.

Excellent clinical results. Efficacy studies support its success in all types of skin, phototypes and hyperpigmentation.

High patient satisfaction. Visible results from the first week of treatment.

Wide professional trust. Thousands of professionals treat hyperpigmentation with the cosmelan® method and recommend it to their patients.



Additional recommendations

The cosmelan® method is not recommended in the following cases: pregnancy or when planning to become pregnant, breastfeeding, minors under 12, patients with skin diseases or allergic to some component in the formulation, patients with solar erythema (avoid exposure to UV radiation during 15 days before performing the treatment), patients with bacterial, viral, mycotic or herpetic infection, and patients who have open or semi-open wounds in the area to be treated. Possible unwanted, expected and transient effects associated with the cosmelan® treatment: Oedema / erythema: they may appear after treatment. It is transient and completely normal. Peeling: expected evolution after performing the treatment. It usually occurs after 2-3 days. It can persist for several days until the renewal is completed. Stinging / burning: depending on the skin's sensitivity, a stinging sensation may occur both in the intensive in-clinic treatment and when applying cosmelan® 2 during the home treatment. Tightening sensation: the cosmelan® treatment comes with changes in the skin's condition. Therefore, the tightening sensation is common due to these changes and skin regeneration.

1. INF489.UB.MAR.2022 Report on depigmentation efficacy in reconstituted epidermis - apigenin and phloretin 2. INF397.UB.MAR.2022 Report on the stimulation of autophagy in melanocytes - Apigenin and Phloretin 3. INF392.UB.MAR.2022 Report on Wnt pathway inhibition in melanocytes - Apigenin INF393.UB.MAR.2022 Report on Wnt pathway inhibition in melanocytes - Phloretin 4. INF322.UB.MAY.2021 Report on the senolytic and senomorphic effects - Phloretin 5. INF390.UB.FEB.2022 Melanin report - synergy-additive Apigenin-Phloretin 6. INF266.UB.MAY.2021 Report on direct tyrosinase and melanin-melaphenone inhibition 7. INF473.UB.MAY.2022 Report on protection against oxidative stress using microscopy - melaphenone 8. INF376.UB.DIC.2021 Report on protection against glycation by microscopy - Melaphenone.

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