

dermamelan intimvte



depigmenting solution
by mesoestetic®



the intimate depigmentation method
supported by the no. 1 in depigmentation

mesoestetic®

the problem: intimate hyperpigmentation



▽ **Gynaeco-aesthetic treatments** have experienced a **growing worldwide demand** and have become one of the disciplines with the highest growth.⁽¹⁾



▽ **Intimate hyperpigmentation** is a **growing concern** and one of the dermo-aesthetic treatments that **generates the highest interest**.⁽²⁾



▽ It has a **negative impact in the quality of life** of patients, affecting their self-esteem and sexual life and they are increasingly visiting specialist doctors.⁽³⁾



▽ **70% of adults have their body hair removed** and **the intimate area is the most commonly depilated**. Practices such as complete hair removal have affected the demand for depigmentation and anti-aging treatments.⁽⁴⁻⁵⁾



▽ **90% of pregnant women** show **hyperpigmentation**; the most affected areas, in addition to the face, are **external genitals, groins, nipples, areola of the nipple and underarms**.⁽⁶⁾



aetiology: intimate hyperpigmentation

The aging process takes place in the genital-perineal and adjacent areas in the same way as in the rest of the body. Because of this, loss of elasticity and firmness as well as a change in the colour of the area can be seen.

Intimate hyperpigmentation is a disorder caused by an **excess formation of melanin** that involves skin darkening around the anal and external genital area.

In addition, the fact that **melanocyte activity** is greater in this area than in the rest of the body is also responsible for the **high prevalence** of the colour change affecting it.

It is a disorder of **multifactorial origin**, and the main triggering factors include:

INTERNAL FACTORS

▽ Age⁽¹⁾

Aging of the vaginal tissue is caused by **changes in the biological, biochemical and molecular mechanisms** that can result in pigmentation disorders.

▽ Genetic predisposition

The prevalence is higher in persons with **high phototypes (IV, V and VI)**.

▽ Hormonal changes⁽²⁾

The **increase of oestrogens** stimulates the activity of the enzyme tyrosinase responsible for the increased melanin production.

EXTERNAL FACTORS

▽ Care and beauty habits⁽³⁾

Techniques such as **depilation** can cause abrasion and folliculitis, leading to skin inflammation that results in an increased production of the melanocytes and therefore of melanin.

▽ Clothing habits

When the skin experiences friction, it naturally thickens (hyperkeratinisation) and darker areas appear. It often affects the inner thighs in case of frequent use of **tight pants or underwear**.

1. International Society of Aesthetic Plastic Surgery (ISAPS); 2. Google Trends. Evolución 2004-2019; 3. Vanaman, M., Bolton, J., Placik, O., & Fabi, S. G. (2016). Emerging Trends in Nonsurgical Female Genital Rejuvenation. *Dermatologic Surgery*, 42(9), 1019-1029; 4. UK Shaving and Hair Removal market report - Mintel; 5. advance dermatology - innovative skin care - a hairy situation; 6. Alves, G. F., Nogueira, L. S. C., & Varella, T. C. N. (2005). *Dermatology and pregnancy*. *Anais Brasileiros de Dermatologia*, 80(2), 179-186. doi:10.1590/s0365-

1. Farage, M., & Maibach, H. (2005). Lifetime changes in the vulva and vagina. *Archives of Gynecology and Obstetrics*, 273(4), 195-202; 2. Verdier-Sévrain S, Bonté F, Gilchrist B. 2006. *Biology of estrogens in skin: implications for skin aging*. *Exp Dermatol*. 15(2):83-94; 3. DeMaria, A. L., Flores, M., Hirth, J. M., & Berenson, A. B. (2014). *Complications related to pubic hair removal*. *American Journal of Obstetrics and Gynecology*, 210(6), 528.e1-528.e5.

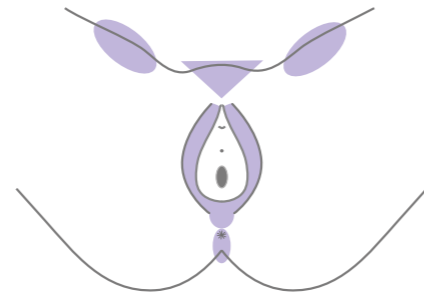
dermamelan® intimate:

the depigmentation solution for the intimate area

mesoestetic® shows a **unique method** to correct, in a single clinical session, **pigmentation imperfections and improve the quality, turgor and appearance of the intimate area** specifically formulated to be effective and respect the characteristics of the skin in that area.

dermamelan® intimate is the anti-aging depigmentation method that provides a **corrective, regulating action**, achieving an affective result in the short and long term to correct hyperpigmentation of:

- > genital-perineal area
- > perianal area
- > mons pubis
- > inner thighs and groins



Its **depigmenting action** is complemented with an **anti-aging action** that makes it a unique, all-in-one treatment.

The dermamelan® intimate method is a **2-stage protocol**: intensive depigmentation at the clinic in phase 1 and treatment for home use in phase 2.

protocol at the clinic

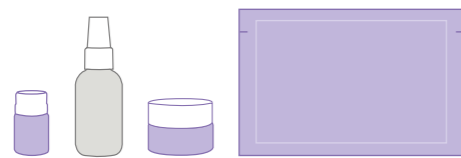
home schedule

PHASE 1

intensive depigmentation

PHASE 2

regulation of hyperpigmentation



> The **synergistic action** of the method products ensures:

- higher depigmenting efficacy
- greater comfort during treatment
- lower risk of repigmentation

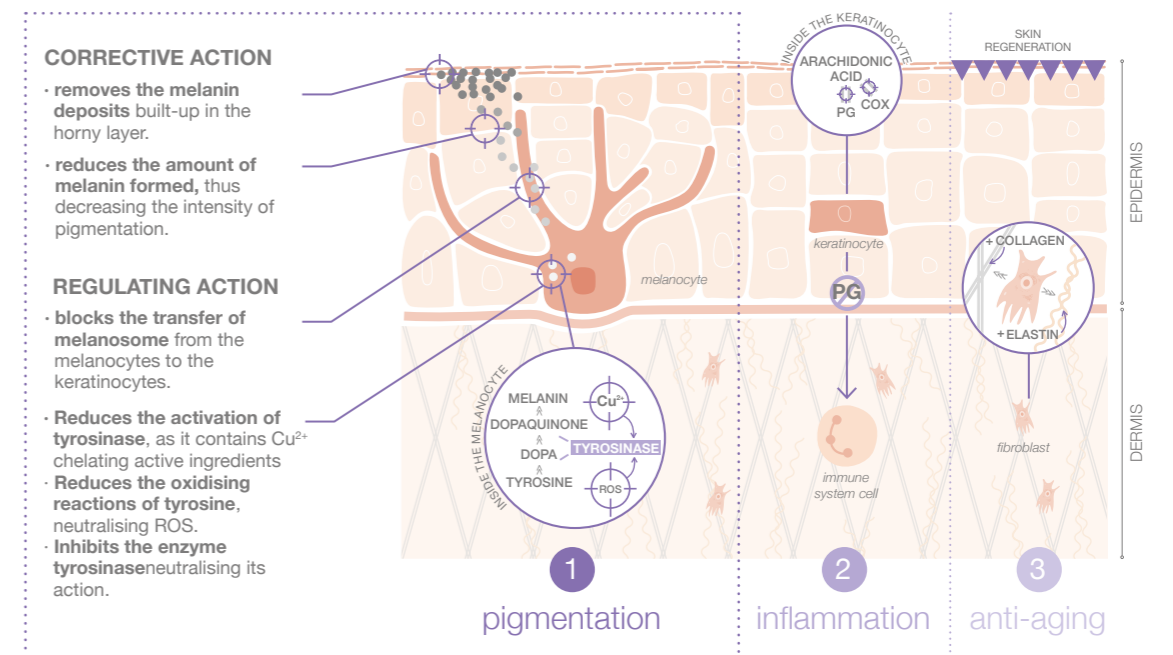
> **Compliance with home schedule is essential** to meet the depigmenting objective in the short and long term.

dermamelan® intimate: how does it work?

The new dermamelan® intimate method contains a unique combination of active ingredients with a depigmenting efficacy⁽¹⁻⁶⁾ combined with an action on the inflammatory component characterising many hyperpigmentations and a visible improvement in skin quality, turgor and water-retention in the area.

dermamelan® intimate, acts:

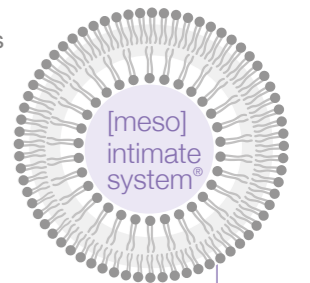
- 1/ in all **phases of the melanogenesis process** to remove the existing hyperpigmentation and prevent its recurrence (corrective, regulating action).
- 2/ on the **inflammatory process**, blocking cyclo-oxygenase (COX), an enzyme responsible for the formation of inflammatory mediators such as prostaglandins (PG).⁽⁷⁻⁹⁾
- 3/ stimulating the **renewal of the outermost skin layers**, in addition to stimulating the production of fibroblasts, responsible for the formation of **collagen and elastin**.⁽⁹⁻¹⁰⁾



dermamelan® intimate: technology and innovation

► **[meso] intimate system®** exclusively developed by mesoestetic® combines 6 innovative active ingredients with complementary synergistic action. Its last-generation liposome encapsulation system provides **maximum efficacy**:

- > **Smart-release system** → It vehiculises the active ingredient in the target layers on a controlled basis.
- > **High concentration of essential lipids** → High moisturising and repairing power.
- > **Bio-mimetic composition** → High skin tolerability.
- > **Active ingredient protection** → Integrates the activity of active ingredients in the long term.



► **[GL] Inflamm®** contributes to controlling the effects of the inflammatory condition, enhances progressive depigmentation and promotes the defence mechanisms to recover skin balance reducing hypersensitivity reactions.

1. FASEB J. 2007 Apr;21(4):976-94. Epub 2007 Jan 22; 2. Te-Sheng Cheng, Int. J. Mol. Sci. 2009, 10, 2440-2475 ; 3. Halder RM, et al. Skin Therapy Lett. 2004;9:1-3. 2. 4. Mendoza CG, et al. Int J Dermatol. 2014 Nov;53(11):1412-6 ; 5. Debabrata Bandyopadhyay. Indian J Dermatol. 2009; 54(4): 303-309 ; 6. Taylor MB et al. J Drugs Dermatol 2013 Jan;12(1):45-50; 7. Simmler, C., Pauli, G. F., & Chen, S.-N. (2013). Phytochemistry and biological properties of glabridin, 90, 160-184. doi:10.1016/j.fitote.2013.07.003; 8. YOKOTA, T., NISHIO, H., KUBOTA, Y., & MIZOGUCHI, M. (1998). The Inhibitory Effect of Glabridin from Licorice Extracts on Melanogenesis and Inflammation. Pigment Cell Research, 11(6), 355-361; 9. Bisset et al. 2003; 10. Pelletier-Louis, M.-L. (2017). Peeling chimiques et prise en charge du vieillissement cutané. Annales de Chirurgie Plastique Esthétique, 62(5), 520-531. doi:10.1016/j.anplas.2017.07.001

dermamelan® intimate: products and protocol


Products for medical use only



4 ml
dermamelan® intimate peeling
Peel with keratolytic action for improving skin texture, tone and radiance, that intensifies the action of active ingredients.



50 ml
post-peel neutralizing spray
Neutralising spray
Rebalances and soothes the skin.




7 ml
dermamelan® intimate mask
Professional mask with a concentrated formula that allows to stimulate intensively skin renewal to remove the existing pigmentation.




dermamelan® intimate occlusive film
Film that accelerates product penetration and protects the area treated.

Products for home use



10 ml
post-procedure crystal fiber intimate mask
Hydrogel mask rich in soothing, moisturising active ingredients. Reduces the discomfort and possible irritations caused by the treatment.



50 ml
dermamelan® intimate home depigmenting gel cream
Home gel-cream with depigmenting and regenerating action that intensifies the result of cabin treatment.

PHASE 1


intensive depigmentation

2 h


PHASE 2

regulation of hyperpigmentation


48 h




1/
Before starting the treatment, cleanse the area with a gauze and lukewarm water and apply **mesolips protector** to protect the mucosa, labia minora and outer area and avoid migration of the solution. Apply **dermamelan® intimate peeling** using a swab or fan brush over the areas to be treated. Leave on for 7 minutes.



2/
Spray **post-peel neutralizing spray**. In case of residues, remove with a wet gauze and remove with water.



3/
Apply a large layer of 3-4 mm of **dermamelan® intimate mask** over the area to be treated, using a spatula. For maximum efficacy, it is recommended to apply all the product. If necessary, apply again **mesolips protector**.



4/
Place **dermamelan® intimate occlusive film** over the area treated to facilitate the action of the active ingredients. Its application generates an occlusive effect and avoids product migration out of the treated areas. The use of the disposable panties included in the pack prevents the product from staining and/or migrating. Once the film is applied, the patient may return home. Leave on for 2 hours.

EXPOSURE TIME
 7 min

EXPOSURE TIME
 2h

1/
Remove **dermamelan® intimate occlusive film and dermamelan® intimate mask** after two hours following application at the clinic. Remove the mask with plenty of lukewarm water and using an intimate cleansing gel with an adequate pH. Repeat as often as required to remove the product completely.

2/
Apply **post-procedure crystal fiber intimate mask** over the area treated. It is recommended to apply it lying face up over a surface previously protected with a towel. Leave on for 10 - 15 minutes.

3/
Forty-eight hours after the end of the protocol at the clinic, apply one or two pulses of **dermamelan® intimate home depigmenting gel cream** to cover completely and evenly the area to be treated. It is recommended to protect the intimate area using a panty-liner. Duration of application to be established by the doctor

EXPOSURE TIME
 10 - 15 min

- **dermamelan® intimate pack** contains the products* necessary for 1 **session and patient (clinic + home)**.
- *The pack contains all products to complete the treatment in the home phase.*

*mesolips protector is not included in the pack.

dermamelan® intimate: results *in vivo*⁽¹⁾

Clinical efficacy studies support the success of the treatments in all types of skin and types of hyperpigmentations.



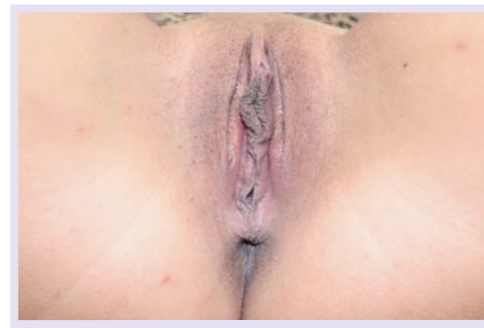
T0d



T45d



T0d



T45d



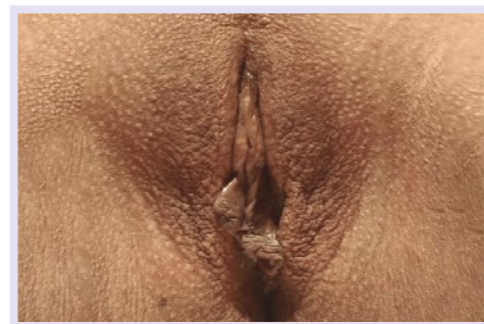
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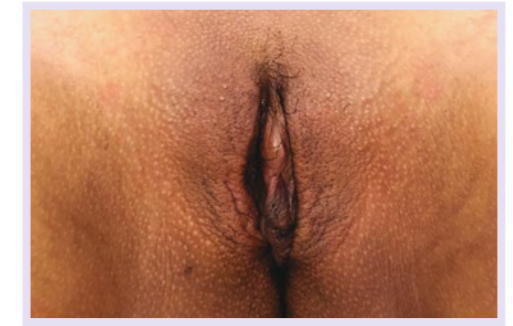
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results visible in a single session⁽¹⁾

The results show a clear, significant reduction of pigmentation, as well as an improvement in skin relief in 100% of the cases.



T0d



T45d



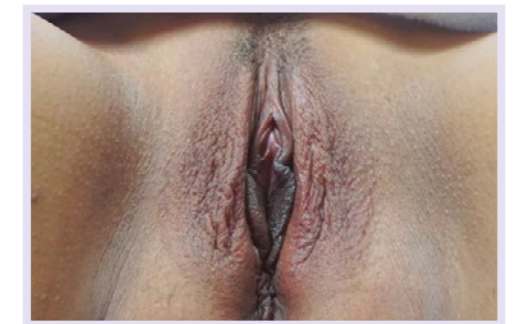
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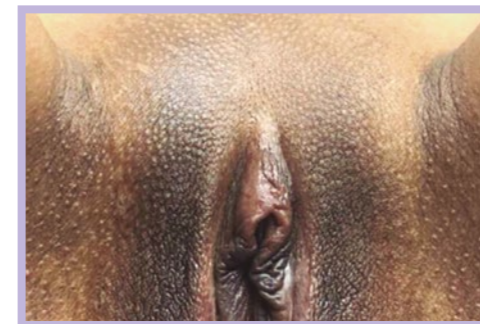
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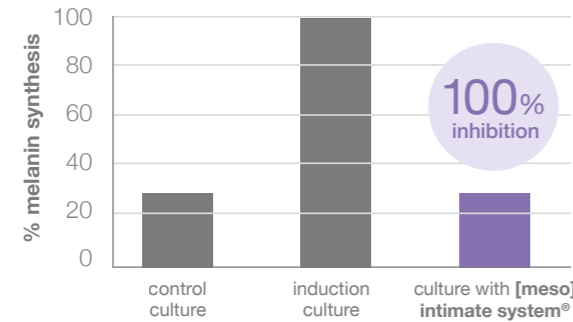
1. A multicenter, prospective efficacy and safety study of a new method at the clinic and at home (dermamelan® intimate) for the control and regulation of hyperpigmentation of the intimate area performed in 25 volunteers.

1. A multicenter, efficacy and safety clinical study of a new method (dermamelan® intimate) consisting of a 2-stage protocol: one session at the clinic and a treatment for home use.

dermamelan® intimate: results *in vitro*

> The ability of [meso] intimate system® to inhibit melanin production has been evaluated in melanocyte cultures:

100% of inhibition of melanin synthesis⁽¹⁾

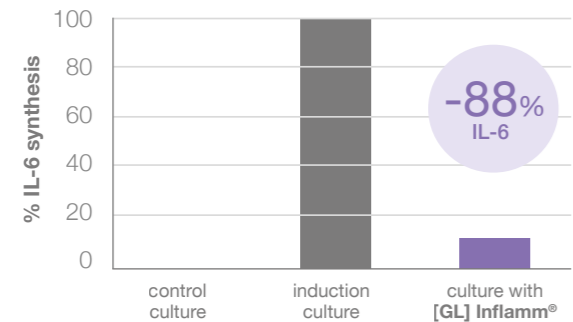


> [meso] intimate system® evidences its efficacy in the inhibition of melanin synthesis.

> After 48h of exposure to [meso] intimate system® melanin levels return to baseline.

> The anti-inflammatory capacity of [GL] Inflamm® has been evaluated by measuring the IL-6 marker in a melanocyte culture.

-88% release of IL-6⁽²⁾

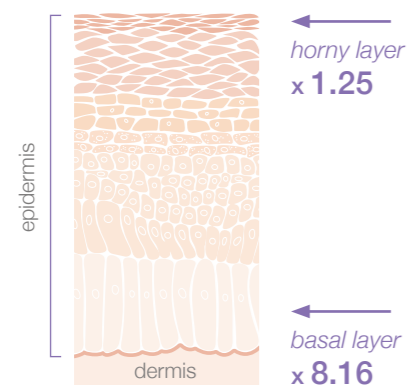


> [GL] Inflamm® evidences its efficacy regulating IL-6, a cytokine with pro-inflammatory activity.

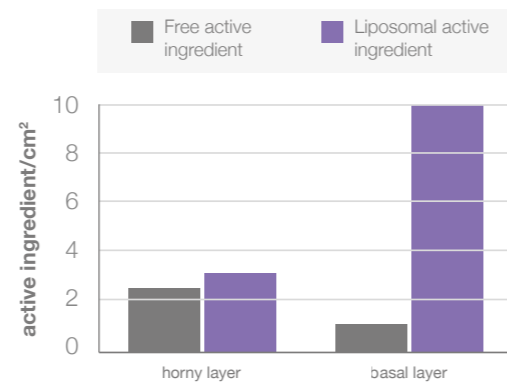
> After 48h of exposure to [GL] Inflamm® the release of inflammatory agents decreases by 88%.

> The vehiculation capacity of the liposomal active ingredients has been evaluated, comparing their increased penetration in the horny and basal layer.

The liposomal active ingredient releases 8 times more active ingredient than the non-liposomal active ingredient.⁽³⁾



Test on release in Franz cells for 8 hours at 35°C



The liposomal active ingredient shows a concentration up to 8 times greater in the innermost layer of the epidermis, the target layer of the active ingredient where it has beneficial effects on the cells.

dermamelan® intimate home depigmenting gel cream

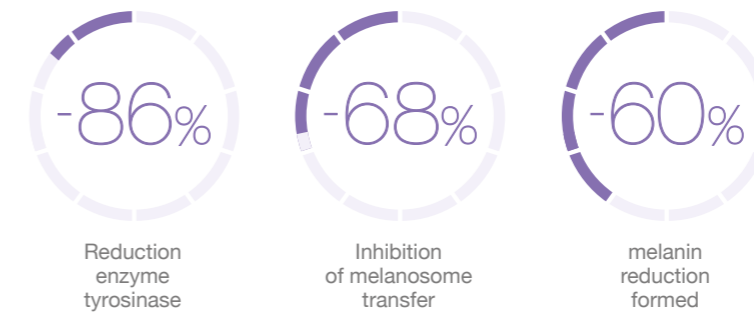
a new dimension in the daily care of the intimate area

Gel-Cream for daily use with **corrective, regulating action** on **hyperpigmentation** of the genital-perineal area and adjacent areas, that improves the texture, turgor and barrier function of the vulvar epithelium:

- ✓ CORRECTS AND REGULATES GENITAL HYPERPIGMENTATION
- +
- STRENGTHENS AND INCREASES THE ELASTICITY OF THE AREA
- PROTECTS AND MOISTURISES THE VULVAR EPITHELIUM
- 👍 IMPROVES THE BARRIER FUNCTION

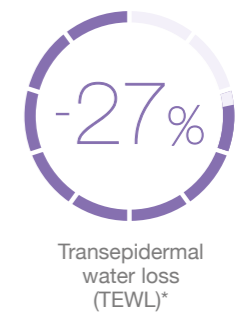


> DEPIGMENTING ACTION



studies *in vitro*

> BARRIER FUNCTION



study *in vivo*

indications

1/ As **home treatment complementing** Phase 1 at the clinic of the **dermamelan® intimate** method. Apply once a day, at night, on the treated area for 45-90 days*.

2/ As **maintenance treatment** to maintain pigmentation under control and enhance the results due to the recurrence and chronic nature of the skin hyperpigmentation. Apply once a day, at night, on the area to be treated for the time established by the doctor.

HOW TO APPLY

1x 🌙 🏠 45-90 days*

HOW TO APPLY

1x 🌙 🏠 to be established by the doctor

*According to medical criteria

1. Unit of Biotechnology. Study *in vitro* on melanin synthesis by spectrophotometry mesoestetic Pharma Group, S.L. 2019; 2. Unit of Biotechnology. Study *in vitro* of the IL-6 marker by ELISA in culture of melanocytes mesoestetic Pharma Group, S.L. 2019; 3. Test on skin release with active ingredient using the RP-HPLC technique.

1. Unit of Biotechnology. Study *in vitro* of Glycyrrhiza Glabra root Extract in the inhibition of melanin synthesis. mesoestetic Pharma Group, S.L. 2019; 2. Unit of Biotechnology. Study *in vitro* of the efficacy of niacinamide in preventing transfer to keratinocytes. mesoestetic Pharma Group, S.L. 2019; 3. Unit of Biotechnology. Study *in vitro* of the efficacy of Plankton extract in the inhibition of melanin synthesis. mesoestetic Pharma Group, S.L. 2019; 4. Study *in vitro* of the efficacy of niacinamide in the prevention of transepidermal water loss TEWL. mesoestetic Pharma Group, S.L. 2019.

dermamelan intimvte



Professional depigmentation method for the intimate area.

Developed specifically for the genital-perineal, perianal area, mons pubis, inner thighs and groins.

Unique for its dual, intensive corrective action that regulates pigmentation imperfections.

Results visible in a single clinical session.

Developed in collaboration with specialized gynecologists.



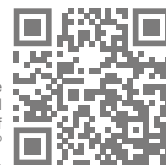
ADDITIONAL RECOMMENDATIONS

dermamelan® intimate method is not recommended in the following cases: pregnancy and breast-feeding, patients with skin or allergic diseases to any component of the formulation, patients with solar erythema (avoid exposure to UV radiation during 15 days before performing the treatment), patients with active bacterial, viral or mycotic infection.

mesoestetic®

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Scan the QR code
to view the protocol
of application of
dermamelan®
intimate.



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