

# BCN SCALP

## Hair Loss Cocktail

Product of BCN Cocktails range with a perfectly studied formulation that contains, besides iron, the B complex vitamins directly involved in hair and skin regeneration processes such as dexpanthénol and biotin. BCN Scalp achieves great results in cases of alopecia of any aetiology, seborrheic dermatitis and its symptoms such as peeling, itching of the skin and the scalp, eczema, redness and dry skin in general.

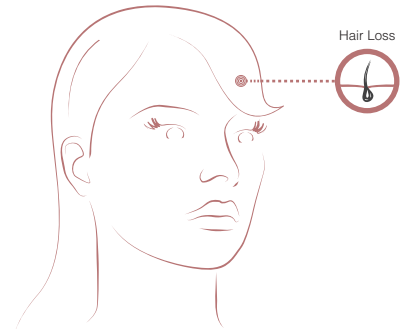


Vial | 5 ml | 0,176 fl.oz. | Box of 5 vials



## INDICATIONS

- Hair loss of any aetiology, as well as early loss of hair colour.
- Seborrheic dermatitis or seborrheic eczema that usually appears in the center zone of the face, the edges of the scalp and the chest, all of them areas with plenty of sebaceous glands.
- Symptoms or effects related to seborrheic dermatitis: peeling, itching of the skin and the scalp, eczema, redness and dry skin.



## ACTIVE COMPONENTS

<b>Panthenol</b>	<b>10,00 %</b>
<b>Pyridoxine HCL (Vit.B<sub>6</sub>)</b>	<b>2,00 %</b>
<b>Thiamine HCL (Vit.B<sub>1</sub>)</b>	<b>1,00 %</b>

Sodium Hydroxide	0,50 %
<b>Biotin</b>	<b>0,05 %</b>
Disodium EDTA	0,05 %

<b>Ferrous Gluconate</b>	<b>0,05 %</b>
Water	86,35 %

## RESULT

- Recovery of lost hair and prevention of its fall.
- Strengthening, revitalizing and growing of hair.
- Repair of damaged hair due to environmental aggressions (sun, contamination, etc.)
- Re-pigmentation of hair and prevention of its discoloration.
- Prevention and elimination of seborrheic dermatitis symptoms, dandruff, seborrhea and eczema.

## APPLICATIONS

See recommended protocol for Meso Pen and/or TDS treatments.

HAIR LOSS	BCN Scalp	5 ml
HAIR LOSS	BCN Scalp Organic Silica Asian Centella	5 ml 2 ml 2ml
HAIR LOSS	BCN Scalp X-DNA Gel o DNA Liquid Asian Centella Biotin	2 ml 2,5 ml 2 ml 2 ml
HAIR LOSS	BCN Scalp BCN Base	5 ml 3 ml
HAIR LOSS	BCN Scalp Polyvitamins Caffeine	5 ml 2 ml 2 ml
HAIR LOSS	BCN Scalp Taurine X-DNA Gel o DNA Liquid	5 ml 2,5 ml 2 ml

## DETAILED INFORMATION

### HAIR LOSS PROCESS

The causes of hair loss are, among others, the lack of some vitamins and minerals, hormonal alterations or hormones themselves, such as dihydrotestosterone in androgenic alopecia, stressful situations, incorrect or unbalanced diet, some drug treatments, the use of inadequate hair products or certain disorders such as seborrheic dermatitis, among others.

These factors lead to the formation of proinflammatory cytokines that cause alteration of the extracellular matrix and degradation of the hair follicle, ultimately triggering hair loss.

Deserves special attention the case of seborrheic dermatitis, of unknown etiology, but which shares risk factors with alopecia: weakens the immune system, lack of certain nutrients, hormonal alterations, disorders of the nervous system and genetic factors. In addition, other circumstances that may induce it are stress or tiredness, extreme weather, oily skin, poor skin cleansing frequency, use of lotions containing alcohol or obesity.

Related to seborrheic dermatitis, there is usually a noticeable scaling of the scalp and often also of the area of the eyelashes, eyebrows, beard, mustache, eyebrows, nasolabial folds and retroauricular area.

### BCN SCALP ACTION ON HAIR LOSS PROCESS

**BCN Scalp** contains active ingredients whose loss or deficiency can cause hair loss: dexpanthenol and biotin. It also includes other B vitamins and iron.

**Dexpanthenol**, a natural component of the skin and hair, is the alcoholic analog of pantothenic acid or vitamin B<sub>5</sub> and, therefore, is provitamin B<sub>5</sub> that is rapidly absorbed through the skin and transformed into vitamin B<sub>5</sub>. Its effectiveness is based on its great moisturizing power and good penetration into the skin. It boosts moisture levels in the stratum corneum, reducing the transepidermal loss of water, and maintains the natural smoothness and elasticity of the skin. It accelerates cell repair, rebuilds damaged tissue and promotes normal keratinization of the skin and hair. It also has a marked anti-inflammatory effect that, together with the aforementioned moisturizing power, reduces inflammation, irritation, itching of the skin and the scalp.

**Its mechanism of action** is based on its status as a component of coenzyme A, a substance required in numerous biochemical processes and, in general, it acts as a cofactor in acetylation reactions.



**Its actions are:**

- Recovery of the natural state of damaged skin and skin regeneration.
- Protection against external aggressions by its repairing and accelerating of healing actions.
- Hydrating and humectant action.
- Stimulation of the epithelial metabolism.
- Treatment of seborrheic alopecia, due to its antiseborrheic and eutrophic action on the skin and the hair follicle.
- Coadjuvant in any type of alopecia.
- Reduction of itching and maintenance of hydration of the skin and hair, with the consequent effect of reducing the signs of aging.

**Biotin** is called **vitamin H**, **vitamin B<sub>7</sub>**, or **vitamin B<sub>8</sub>** and is necessary for cell growth, production of fatty acids and amino acids metabolism. By accelerating lipid synthesis, it improves the function of the skin as a natural barrier.

It is also a natural seborgulator, relieves the symptoms of seborrheic dermatitis, eczema and dry skin, helping to combat hair loss and premature capillary discoloration.

**Mechanism of action:**

Biotin is found in the cell attached to a specific lysine moiety and forms the biocytin, which covalently binds to certain essential enzymes in cell duplication processes involving rapidly reproducing tissues or mitosis (skin, hair, axonal coating cells).

It acts in conjunction with pantothenic acid and is an important component of the body's enzymes that break down certain substances like fats, carbohydrates and others.

**Its actions are:**

- Strengthening of hair and prevention of its fall, promotion of its growth and achieving a healthier appearance; repair of hair damaged by environmental aggressions (sun, pollution, etc.) and prevention of discoloration (premature gray hairs); treatment of androgenic and non-androgenic alopecia as well as devitalized hair.
- Hydration of the skin and prevention of skin dryness by helping to maintain the protective barrier of the skin.
- Prevention and elimination of seborrheic dermatitis, dandruff, seborrhea and eczema.

**Thiamine or Vitamin B<sub>1</sub>** is an antioxidant that increases blood circulation in the skin and the scalp. This action improves the penetration of blood and fluids -and therefore of oxygen- in different skin areas and in hair follicles. Because of that thiamine prevents hair loss and promotes the growth of new hair, achieving a significant improvement of the hair, which looks glossy and shiny.

**Pyridoxine or vitamin B<sub>6</sub>** has proved to decrease the formation of dihydrotestosterone and regulate its excess in the root of the hair and therefore limits its fall and stimulates its growth. It balances oily skins, limiting the secretion of the sebaceous glands. Combats dandruff and seborrheic dermatitis. It reduces the itching and inflammation of the skin (atopic eczema).

**Iron**, as a fundamental component of many proteins and enzymes, has a direct effect on the hair, so that certain types of alopecia are usually corrected with an increase of iron. In addition, iron is necessary for keratin formation, the main protein component of the outer layers of skin and hair, thus affecting the healthy appearance of skin, nails and hair.












# TREATMENT PROTOCOLS

## Initial considerations

### THE IMPORTANCE OF INGREDIENTS: THE MESOCEUTICALS®

It is very important to use sterile and aseptic products in treatments with Meso Pen or Meso Roller. You have to keep in mind that this type of treatment produces small wounds on the skin's cutaneous surface. Therefore, the application of non-sterile products on the patient's skin may improve the risk of different cutaneous infections. Plus, the additives, preservatives and perfumes added to non-sterile products suppose a higher risk of allergies because when applied with Meso Pen or Meso Roller they reach a higher depth than with topic use.

The Institute BCN's mesoceuticals® are:

 Meticulously selected pure active ingredients	 Based on original mesotherapy formulas	 Sterile (no preservatives or additives) and highly tolerant	 Pharmaceutical formulations
 Safe	 Highly concentrated	 Proven effectiveness	 Comfortable application using a gentle cosmetic procedure
 Products can be combined to obtain a specific mix for each individual case to be treated	 Monodose	 Mesotherapeutic product for aesthetic purposes	

### RECOMMENDED PROTOCOL

Institute BCN team works hard to know and prove the **latest improvements on techniques and procedures applied to transdermal mesotherapy treatments**. The recommendations you will find below are the result of our daily work.

Institute BCN strongly recommends the following two-phase protocol:

1. Meso Pen (ideally) or Meso Roller treatment.
2. TDS treatment (Transdermal Delivery System)\* for the application of a hyaluronic acid layer on face treatments and hyaluronic acid + DMAE layer on body treatments.

\* [Electroporation, iontophoresis, ultrasounds, thermotherapy, vacuum therapy, galvanic and continuous currents or radiofrequency, among others].

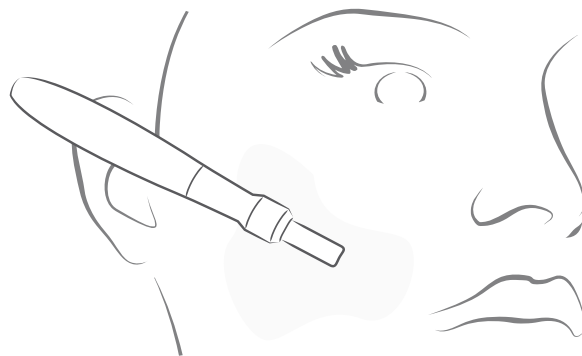
It is not indispensable to apply the combined technique Meso Pen + TDS. It is also possible to perform the treatment only with Meso Pen, Meso Roller or TDS individually. For traditional mesotherapy treatments see the applicable law in your country.

### BENEFITS OF MESO PEN + TDS PROTOCOL

**Meso Pen** is an electronic micro needle mechanism that opens more than **1.000 micro channels per second in the skin**. These cutaneous micro channels or micro trauma create an innate response on the organism that helps repair the skin, which leads to the following benefits:

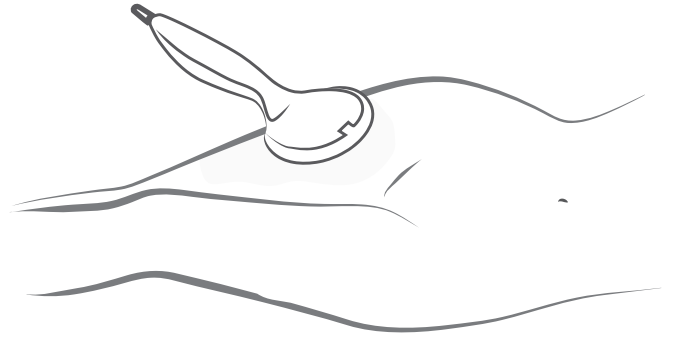
- Stimulates **collagen and elastin** creation.
- Has a **firming and rejuvenating** effect.
- Improves the appearance of **scars and stretch marks**.
- Improves skin **wrinkles** and fine expression lines.
- Reduces **pore** size.
- Stimulates **hair** growth and prevents hair loss.
- In addition, favours the penetration of **active ingredients**.

Meso Pen is the **most secure, hygienic, quick and effective** transdermal penetration system of the market.



The infiltration of a **Hyaluronic Acid 2% (BCN Classics, sterile vial)** layer after the Meso Pen treatment, applied with any of the transdermal delivery systems (TDS), leads to the following benefits:

- Creates a **'sealing effect'** that fixes the product or mix applied during the treatment, increasing its results.
- This 'sealing effect' contributes to **prevent transdermal water losses** that may arise from Meso Pen treatments and increases skin hydration.
- **Protective** action. It creates a non occlusive film that protects the skin from environmental aggressions.
- **Scarring** effect. It favours a quick skin re-epithelialisation, in other words, the recovery of its normal functions and cellular communication after disturbances induced by Meso Pen treatment.
- **Filling** action. Hyaluronic acid retains water molecules creating a filling effect and increasing skin volume.
- Also, it offers a **warm and nice sensation** to the patient as the final part of the treatment.



## SESSIONS' INTERVAL / ACTIVE INGREDIENTS QUANTITY

<b>Sessions</b>	<p>We recommend a <b>14 days</b> interval between sessions with Meso Pen.</p> <p>We recommend a <b>7 days</b> interval between sessions with Meso Roller.</p> <p>We recommend a <b>6 days</b> interval between sessions with TDS.</p>
<b>Quantity / area</b>	Mixtures quantities can be changed according to the treated area and the system used.

## TREATMENTS WITH MESOCEUTICALS®



ACNE



ANTI-AGEING



CELLULITE



EYE AREA



STRETCH MARKS  
AND SCARS



LOCALIZED FAT



HYPERPIGMENTATION



HAIR LOSS



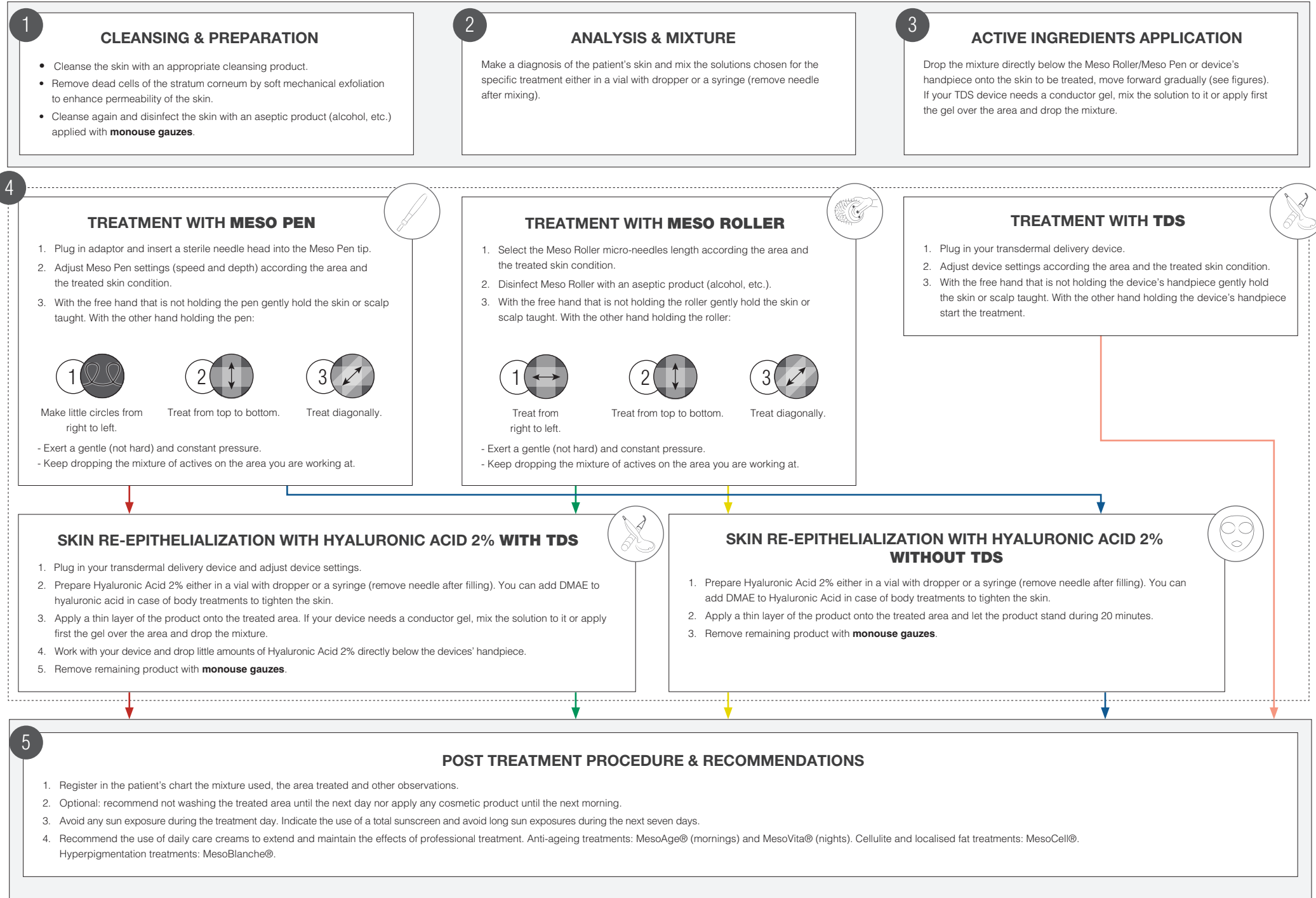
FIRMING



COUPEROSE

## WARNINGS

- See the applicable law in your country.
- We recommend getting a signed consent from each patient before starting the treatment.
- To avoid infections, make sure the device is not in touch with other objects before the treatment.
- Follow the hygienic standards of medical-aesthetic practice (disinfection, use of gloves, treatment room's proper cleansing, etc.).
- Examine skin's patient before treatment. Do not perform the treatment if the skin is infected, inflamed, injured or if there is any other anomaly.
- Make sure you check the seal, damage and term of validity of the active ingredients before starting the treatment.
- Meso Pen needles are for single use only. Meso Roller is for personal and not transferable use and should be disinfected before and after each treatment.
- Do not exert excessive pressure with Meso Pen nor and Meso Roller.
- Avoid the contact of Meso Pen and Meso Roller with lips and eyelids, as the skin is thinner in these areas.
- Do not perform this kind of treatments to underage people.
- Redness and burning/ itching mild sensation are absolutely normal reactions after the treatment with Meso Pen or Meso Roller. Duly inform the patient about it.
- Follow the instructions, contraindications and warnings supplied by the manufacturer of the device used for the treatment carefully.
- You should pay special attention to patients who have or have suffered from various diseases such as heart abnormalities, blood clotting problems, platelet abnormalities, anticoagulant therapy, facial cancer (past or present), chemotherapy, steroid treatment, facial skin diseases, diabetes and other chronic diseases. It is not recommended to use Meso Pen to pregnant or lactating women. It is also not recommended to apply a Meso Pen treatment to people who have undergone a botox treatment after 2 weeks minimally or 4 if they have some kind of filler.
- If rashes, allergic reactions or other unwanted effects occur, stop the treatment immediately and contact Institute BCN [customerservice@institutebcn.com](mailto:customerservice@institutebcn.com).

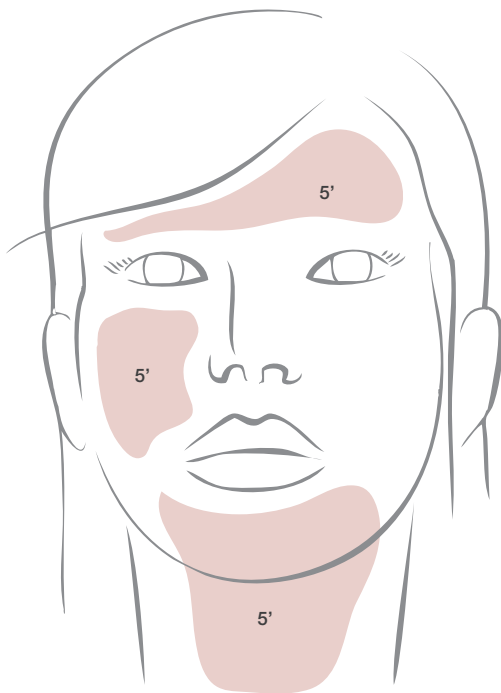
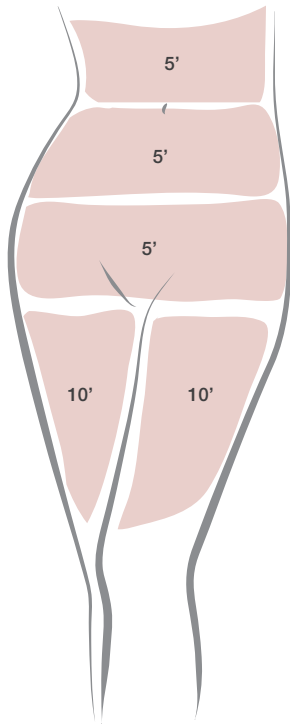


**Legend:**

- TDS (Red arrow)
- Meso Roller (Yellow arrow)
- Meso Roller + TDS (Green arrow)
- Meso Pen (Blue arrow)
- Meso Pen + TDS (Red arrow)

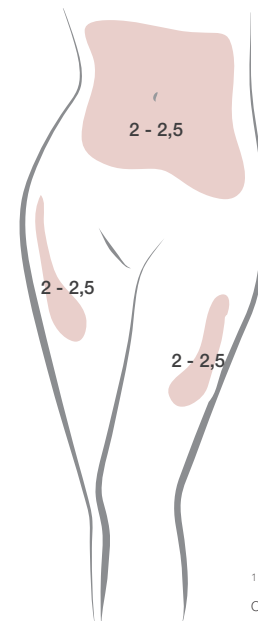
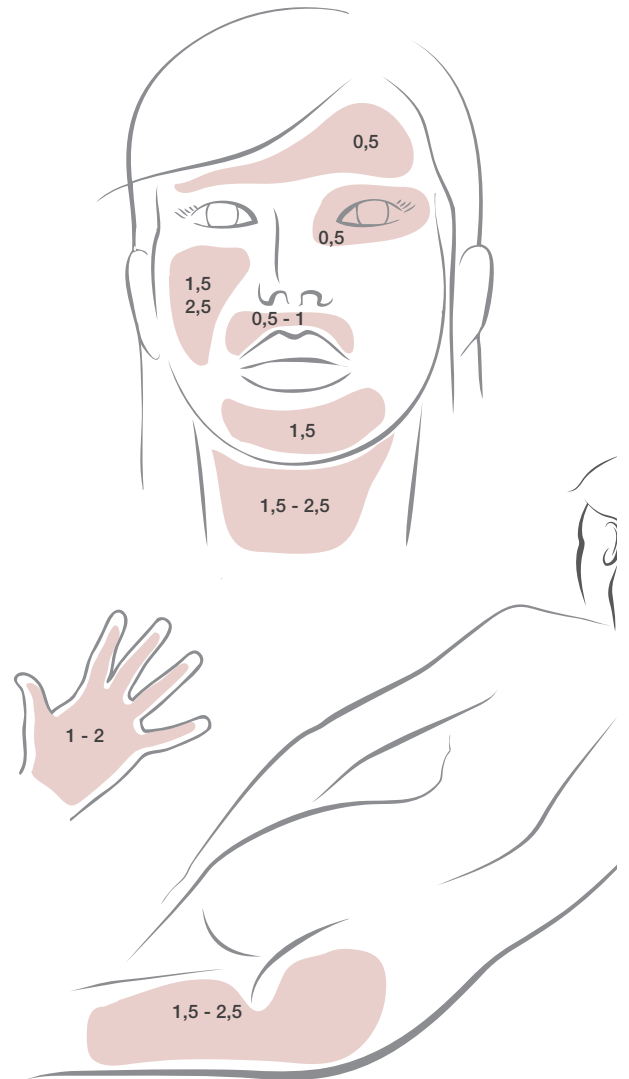
## TDS

RECOMMENDED TREATMENT TIME PER AREA



## MESO PEN

RECOMMENDED DEPTH PER AREA<sup>1</sup>



<sup>1</sup> Depths over 2mm can only be applied by qualified medical professionals.