

# Dermapenworld™

## Synergy of Solutions Protocols

### ALOPECIA

#### Q: What does SOS or Synergy of Solutions mean?

**A:** DermapenWorld products are unique in the way they all work together to get outstanding results. We've removed all guesswork with 10 years of rigorous testing—and more testing. All our products and technology work in total synergy with each other and your patient's skin. The results speak for themselves.

#### Q: What is a Dermapen Treatment™ ?

**A:** Dermapen Treatment is the overarching term for the period in which a specific skin concern is targeted with a series of professional Dermapen microneedling procedures. Your patient is required to support your efforts with a prescribed at-home skincare routine for optimal results.

#### Q: Why Protocols Matter

**A:** Your patients come to you looking for the very best results for their skin. Feel confident by following tried and tested Protocols developed in collaboration with leading industry experts—including renowned dermatologists and plastic surgeons.

Our Protocols have resulted in millions of successful Dermapen Treatment outcomes and unsurpassed patient satisfaction.

DermapenWorld™ or its representatives hold no responsibility for procedural outcomes. These protocols have been supplied for training purposes, these programmes are not designed to cure disease. Individual results may vary. To be used only as directed. Dp Dermaceuticals™ and various permutations of this name, are all trademarks of Equipmed™. Due to rapid advances in sciences, we recommend that independent verification of skin conditions and procedural recommendations be received by the viewer. Changing of these official protocols without written permission will be deemed a committed offence and contractually not permitted. Image credit is required. For more information on Dp Dermaceuticals described in these protocols see "The Rewritten Skin Journey"

## DERMAPEN TREATMENT™

### VISIBLE IMPROVEMENT RESULTS FOR: ALOPECIA

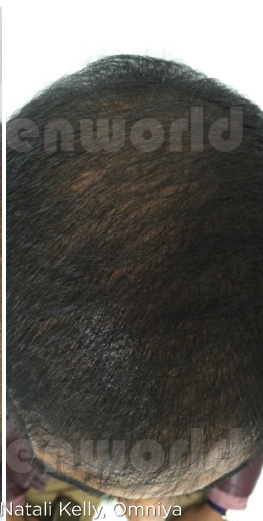
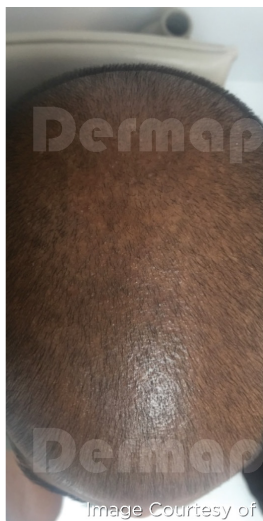


Image Courtesy of Natali Kelly, Omniya

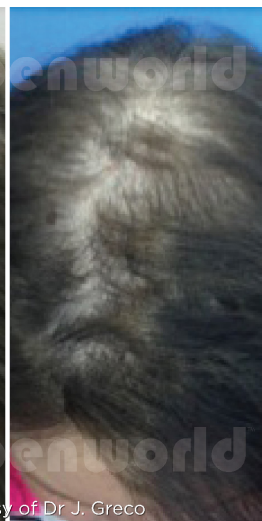
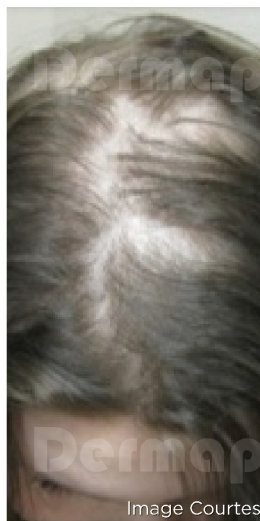


Image Courtesy of Dr J. Greco

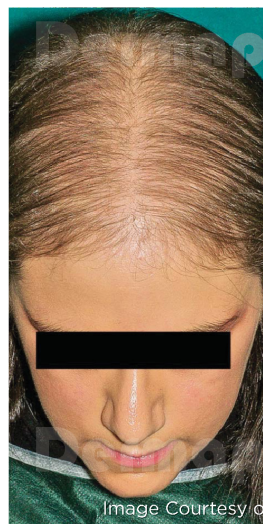


Image Courtesy of Dr Joseph Greco

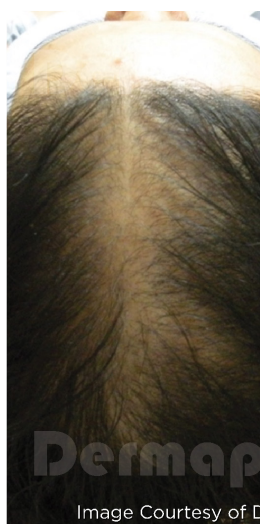


Image Courtesy of Dr Hasan El-Fakahany

\* Images courtesy of:

1. Androgenetic Alopecia, Natali Kelly, Omniya, UK, 3 Tx.
2. Alopecia Areata, Dr Joseph Greco, Greco Medical Group, USA, 8 Tx.
3. Androgenetic Alopecia, Dr Joseph Greco, Greco Medical Group, USA, 2 Tx.
4. Alopecia, Dr Hasan El-Fakahany, University Of El-Minya Egypt 4 Tx.

## STEP BY STEP OVERVIEW > ALOPECIA

1. Cleanse the scalp with CLINIPREP



2. Diagnose and document inc. photography



3. TLA/anaesthetic or CBD ELIXIR\*\* follow instructions, remove



4. Set up sterile procedure inc. DpSleeve, ACM Kit



5. Disinfect skin with CLINIPREP again



6. Set up device Select speed, depth, see USERS manual



7. Apply MESO-GLIDE MG-HA35 OR Hyla Active + PRP or mesotherapy to one area at a time.



8. Separate Hair - Proceed with Dermanen as per directions.



9. TX Directions front to back.

10. Apply post-camouflage COVER RECOVER CLEAR



\* More detailed instructions available in the Advanced Skin Innovations by Dermanen User's Manual, and from [Dermanenworld.com/prozone](http://Dermanenworld.com/prozone)

\*\* DermanenWorld generally does not use topical local anaesthetic (TLA) due to the comfort of Dermanen 4, its soothing protocols and clinical benefits. If TLA is required, follow the manufacturer's instructions. Results may vary. DermanenWorld and its representatives take no responsibility for treatment outcomes. Information contained in this document is advisory. For more information contact us at [www.dermanenworld.com](http://www.dermanenworld.com) or refer to an Authorised DermanenWorld Distributor. The following statements on patient comfort, use of TLA, SSS, or CBD are purely educational and experimental. These statements have not been evaluated by the FDA or clinical studies at time of print. These recommendations are not intended to treat, cure, prevent or diagnose any disease.

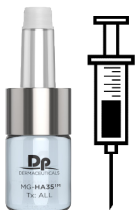
## PROTOCOLS > ALOPECIA



Image Courtesy of Dr Emal Saba, Revive Medical Skin Aesthetic

Image Courtesy of Dr J. Greco

\* Images courtesy of: 1. Alopecia, Dr Emal Saba, Revive Medical Skin Aesthetic, New Zealand, 4 Tx.  
2. Alopecia, Dr Joseph Greco, Greco Medical Group, USA, 2 Tx.

<b>INDICATION:</b>	Minor to complete hair loss, especially on the scalp.
<b>OBSERVATIONS:</b>	See chart on page 5.
<b>EFFECTIVE FOR:</b>	<p><b>Which forms of ALOPECIA are DERMAPEN TREATMENTS effective for:</b></p> <ul style="list-style-type: none"> <li>• Tractional alopecia</li> <li>• Cicatricial alopecia</li> <li>• Telogen effluvium</li> <li>• Androgenetic alopecia</li> <li>• Alopecia areata</li> </ul>
<b>EFFECTIVE FOR:</b>	<p><b>How do DERMAPEN TREATMENTS™ provide effective results for alopecia?</b></p> <p>As part of combination therapies in conjunction with PRP and/or mesotherapy, Dermapen Treatments™ work in 4 ways to target forms of hair loss:</p> <ol style="list-style-type: none"> <li>1. Growth factors stimulated by Dermapen and infused via concentrated PRP enable vascularisation to increase hair follicle size, increase hair volume and to stimulate subsequent hair growth.</li> <li>2. Angiogenesis creates and develops a stronger capillary network to nourish the bulb and deliver hormones to activate and sustain healthy hair growth.</li> <li>3. Mechanical breakdown of scar tissue that covers or compromises the hair follicle.</li> <li>4. Enhanced infusion of active drugs and mediums to accelerate treatment results.</li> </ol>
<p><b>TREATMENT MESO-GLIDE:</b></p> 	<p><b>Dp Dermaceuticals™ Meso-Glide Treatment Recommendation: MG-HA35 &amp; PRP or appropriate mesotherapy solution.</b></p> <p>To facilitate a smooth and comfortable glide during a Dermapen procedure. To activate and enhance combination therapies.</p> <p><b>Performance Ingredients:</b> Copper Peptides - antioxidant and wound healing moderator Contains HylaFuse – 3 molecular weight hyaluronic acid; clinically proven to be absorbed 150% more effectively than other forms of hyaluronic acid.</p>

## DERMAPEN TREATMENT PROTOCOLS > ALOPECIA

**Tx Procedure Guide** (This is a guide only. Tx Endpoint is the most important guide):

REGION	DERMAL / HYPODERMIS (PINPOINT TO MODERATE BLOOD / PROLIFERATIVE RESPONSE) AVERAGE DEPTH GUIDE*
Scalp	0.75-1.25mm

\*These guides are merely suggestions based on the average skin response of the average patient. These depths may not be correct for every patient, every region, every procedure. So simply adjust the needle up or down accordingly to achieve the required visual endpoint.

TX PROTOCOL OVERVIEW	
<b>TX ENDPOINT:</b>	Pinpoint bleeding to moderate bleeding.
<b>TX INTERVALS:</b>	4-6 weeks.
<b>TX COURSE:</b>	4-6 treatments or until desired results are achieved. Maintenance procedures may be performed as necessary.
<b>TX PROCEDURAL REQUIREMENTS:</b>	Dp Dermaceuticals MG-HA35 & PRP and / or appropriate mesotherapy or Dp Dermaceuticals HYLA ACTIVE and / or appropriate mesotherapy.
<b>PATIENT PROTOCOL:</b>	Pre/Post op and ongoing maintenance Dp Dermaceuticals™ and any ongoing drug combination therapies (including Minoxidil) as prescribed by a medical practitioner.

## OBSERVATIONS

FORM	CLASSIFICATION	CHARACTERISTICS
Telogen Effluvium	Mild	An increase of hair follicles in telogen phase creating thinning and hair loss.
Androgenic Alopecia	Mild to severe	Increased Dihydrotestosterone levels create shorter hair growth cycles creating baldness around the temples and crown.
Tractional Alopecia	Mild	Localised hair loss occurs due to trauma from hair accessories elastics, clips, hats, hair extensions and hairstyles.
Cicatricial Alopecia	Moderate to severe	The hair follicle becomes destroyed and is replaced by scar tissue preventing hair growth.
Alopecia Areata	Moderate to severe	A genetically acquired auto-immune disorder where anagen follicles are attacked suppressing normalised hair growth.
Alopecia Universalis	Severe	The complete loss of all head and body hair. The pathogenesis is believed to be auto-immune.
Alopecia Totalis	Severe	The complete loss of all head hair. The pathogenesis is believed to be auto-immune.

### Other Considerations:

Combination therapy with Dermapen Treatments for alopecia include: PRP, mesotherapy, LED, oral finasteride (androgenetic alopecia only), steroid injections (alopecia areata only).

Minoxidil can stimulate vascular endothelial growth factor to enable follicular enlargement and a prolonged anagen phase where suitable. Finasteride / Dutasteride serves as a 5 reductase regulator where hormonal imbalances are an issue.

## PROTOCOLS > DERMAPEN TREATMENT > ALOPECIA

### PREPARATION: CLEANSE, EXFOLIATE, CALM, DISINFECT



Disinfect treatment area with Dp Dermaceuticals CLINIPREP using gauze to ensure all cleanser, exfoliant or topical anaesthetic cream\* (if using) is removed. For additional tips on optional patient comfort methods see: "Treatment Notes" under Dermapen Step by Step Diagram.

Follow by lightly spritzing the entire treatment area before proceeding with the Dermapen Treatment.

### DURING TREATMENT & TREATMENT SPECIFICATIONS



#### Meso-Glide application recommendations:

Dispense the meso-glide on to an ACM Sterile Basic Dressing Kit tray or draw up with a 5ml luer lock syringe. Apply a small amount of the meso-glide as a facilitating gel to the entire region to be treated. Then dispense the PRP or appropriate mesotherapy via a syringe over the top. Catch, distribute then infuse with Dermapen.

Based on the patient's skin condition, symptoms and skin density, select an appropriate needle depth (this may change for each treatment area) and dial the pen to the top speed. Proceed to the next treatment area as each region is completed.

**Option 1** – Dp Dermaceuticals MG-HA35\* - Individual sterile vials and PRP or appropriate mesotherapy.

**Option 2** – mix 1:1 Dp Dermaceuticals Hyla ACTIVE and PRP or appropriate mesotherapy as a treatment medium.

#### Visual End Point:

Pinpoint to moderate bleeding.

#### Treatment Frequency:

Every 4-6 weeks, 4-6 treatments or until desired results are achieved. Maintenance procedures may be performed as necessary.

## PROTOCOLS > DERMAPEN TREATMENT > ALOPECIA

### INJECTION & INFUSION TECHNIQUE:

Inject as required using nappage or point by point technique PRP or appropriate mesotherapy solution, focussing on particular areas of concern. The remaining solution may be used for infusion technique with Dermapen.



Do not pre-mix any PRP with the MG-HA35. In order to maintain purity and activity, PRP must be dispensed from an air-tight syringe. Mesotherapy solutions may be mixed with MG-HA35 for further efficacy.



Based on the patient's skin condition, symptoms and skin density, select an appropriate Dermapen needle depth (this may change for each treatment area) and dial the pen to the top speed for gliding technique.



Squirt the PRP / mesotherapy (with a syringe) topically onto the scalp (which has already been prepared with MG-35.) Catch and distribute the solution with Dermapen, then infuse using vertical, inflected strokes (or as possible) to administer the combination therapy.



Proceed to the next treatment area as each region is completed.

### INFUSION TECHNIQUE:

Do not pre-mix any PRP with the MG-HA35. In order to maintain purity and activity, PRP must be dispensed from an air-tight syringe. Mesotherapy solutions may be mixed with MG-HA35 for further efficacy.



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Proceed to the next treatment area as each region is completed.

### POST TREATMENT






Apply \*VITAMIN RICH REPAIR and COVER RECOVER\*\* (CLEAR or SHEER).

\*Any remaining MG-HA35 may be provided to the the patient for use the following day post procedure.

\*\*Ensure Correctors are absorbed or pat dry before applying COVER RECOVER in a gentle patting method.

## PRESCRIPTION > PATIENT HOMECARE > ALOPECIA

### WEEKLY TREAT (OR AS REQUIRED):

	<p><b>HYLA ACTIVE</b></p> <p>A recommended protocol throughout microneedling, this is our signature intensive moisture infusion that delivers the feeling of deep hydration and comfort.</p> <p>To be used in conjunction with Dermapen HOME.</p> <p>Performance Ingredients: Hyaluronic Acid, Zinc, Panthenol (Pro-B5).</p>
<p>Protect SPF</p> 	<p><b>COVER RECOVER</b></p> <p>A daily broadspectrum SPF30 / PA+++ camouflage and skin protectant that blocks exposure to harmful ultra-violet rays. The tinted and clear formula options allow for easy application and re-application during the day.</p> <p>Available in Sheer and Clear.</p> <p>Performance Ingredients: Titanium Dioxide, Zinc Oxide, Copper Peptides, Vitamins, Hyaluronic Acid.</p>
 <p>Available: Dp Dermaceuticals L.E.D. FACE, HAND, NECK &amp; DÉCOLLETÉ</p>	<p>After cleansing with MICRO DERM EXFOLIANT to the area to ensure greater absorption of the product. Apply HYLA ACTIVE or similar product as per manufacturers instructions as required.</p> <p><b>DERMAPEN HOME</b> An innovative at-home skin needling device with a face and body setting. DERMAPEN HOME treatments are designed to increase the infusion and efficacy of Dp Dermaceuticals. Weekly maintenance treatments support in-clinic procedures to deliver the ultimate synergy of solutions. Designed to complement clinical treatments. Absorption of serums can be advanced by home microneedling with DERMAPEN HOME. May be used to infuse Dp Dermaceuticals HYLA ACTIVE; BRITE LITE; RETINAL ACTIVE; ANTIOXIDANT COCKTAIL &amp; CLR LOTION.</p> <p><b>Dp Dermaceuticals L.E.D.</b> Dp Dermaceuticals L.E.D. harnesses the latest scientific advancements and research in light therapy, using not only red light but also near-infrared light. These wavelengths have been proven to rejuvenate all skin types, and assist with a wide range of skin concerns including signs of ageing, sun damage, redness caused by rosacea and inflammation, dryness, skin sensitivity, enlarged pores and uneven skin tone. Best worn for just 10 minutes every 2-7 days. Perfect at-home booster.</p> <p>The L.E.D. NECK &amp; DÉCOLLETÉ mask fits perfectly on the scalp to support hair restoration procedures.</p> <p>See: <a href="http://DermapenWorld.com">DermapenWorld.com</a> for more information.</p> <p>Supplementary medications as per doctors recommendations.</p>