

GENÖ-LED II






High Power LLLT + IR —

Features

GENO-LED IR II is a low-level LED light device that resolves complicated skin problems.

It facilitates regeneration and soothing, and it resolves skin troubles by irradiating lights with various wave lengths ranging from 423nm to 830nm. Since it uses excellent and strong high-brightness special near-infrared SMD LED (Surface-Mounted-Device Light-Emitting Diode) elements, it produces excellent effects without side effects.

GENO-LED IR II painlessly and safely avoids the possible risks of general coherent laser treatments such as heat damage and photo-aging wounds.

	LED				IR (Infrared Ray)
Wavelengths	640nm	423nm	532nm	583nm	830nm
Light Color					 Invisible
LED	380ea	380ea	380ea	380ea	190ea

GENÖ-LED II

COMPARISON



Comparison

	GENO-LED IR	GENO-LED IR II
Number of LED	1,145	1,710
Wavelength	5 types (423nm, 532nm, 583nm, 640nm, 830nm)	5 types (423nm, 532nm, 583nm, 640nm, 830nm)
Rated Power	60W	70W
Size	380*220*280m	520*220*315
Weight	1.9kg	2.6kg

Comparison

RED



	GENÖ-LED  II	GENÖ-LED 
Output intensity	42 mw/cm ²	36 mw/cm ²
Output wavelength	640 +/- 5nm	
Standard dose	28J /cm ²	24J /cm ²
Treatment time	5~60 minutes	
Dose range	1~186J/cm ²	1~152J/cm ²
Band width	20nm +/-5nm	

BLUE



Output intensity	46 mw/cm ²	39 mw/cm ²
Output wavelength	423 +/- 5nm	
Standard dose	28J /cm ²	24J /cm ²
Treatment time	5~60 minutes	
Dose range	1~152J/cm ²	1~146J/cm ²
Band width	20 nm +/-5nm	

Comparison

GREEN



	GENÖ-LED  II	GENÖ-LED 
Output intensity	15 mw/cm ²	13 mw/cm ²
Output wavelength	532 +/- 5nm	
Standard dose	9J /cm ²	8J /cm ²
Treatment time	5~60 minutes	
Dose range	1~52J/cm ²	1~47J/cm ²
Band width	20 nm +/-5nm	

YELLOW

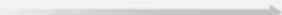


Output intensity	11 mw/cm ²	9 mw/cm ²
Output wavelength	583 +/- 5nm	
Standard dose	7J /cm ²	6J /cm ²
Treatment time	5~60 minutes	
Dose range	1~39J/cm ²	1~34J/cm ²
Band width	20 nm +/-5nm	

Comparison

IR



	GENÖ-LED  II	GENÖ-LED 
Output intensity	15 mw/cm ²	12 mw/cm ²
Output wavelength	830 +/- 5nm	
Standard dose	12J /cm ²	7J /cm ²
Treatment time	1~10 minutes	
Dose range	1~56J/cm ²	1~ 42J/cm ²
Band width	20 nm +/-5nm	

GENÖ-LED II

FEATURES



Advantages



- Excellent and powerful high-brightness and special near-infrared light SMD LED element is used.
- Light of different lengths (423nm~830nm)
 - Blue light, Green light, Yellow light, Red light + Infrared light
- Dome shape – less light loss
- Excellent delivery of light source
- High efficiency by ensuring the proper irradiation distance
- Available for the treatment of whole body – total care device
- Gentle & safe treatment without pain, photo-aging, scar, heat damage
- Voice guidance in English, Korean, Chinese
- Hygienic

GENÖ-LED II

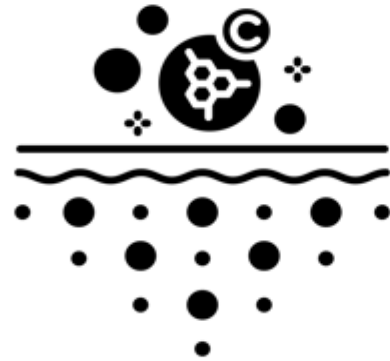
EFFECTS



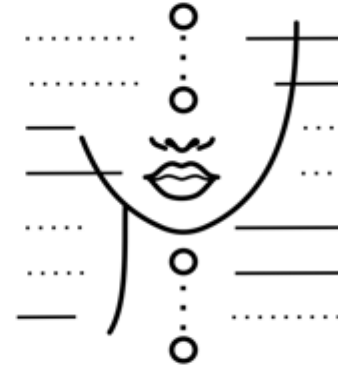
Overall Effects



Activation of Metabolism



Promotion of Collagen & Elastin



Improvement of Problematic Skin



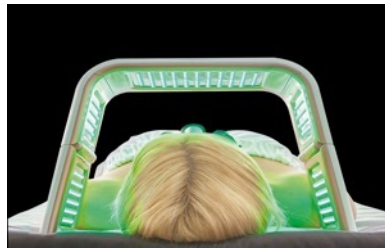
Muscle Relaxation

Effects by Wavelengths



Blue Light
423nm

- Destruction of acne bacteria
- Inhibition of sebaceous glands
- Prevention of wound infection
- Relief of skin breakouts



Green Light
532nm

- Calming & Soothing
- Improvement of sensitive skin
- Mind and body rest



Yellow Light
583nm

- Relief of redness
- Relief of erythema / rosacea
- Relief of herpes zoster in early stage



Red Light
640nm

- Promotion of skin cell regeneration
- Promotion of blood circulation
- Stimulation of collagen & elastin production
- Pain relief



Infrared Light
830nm

- Promotion of metabolism
- Promotion of blood circulation
- Stimulation of collagen & elastin production
- Promotion of wound healing

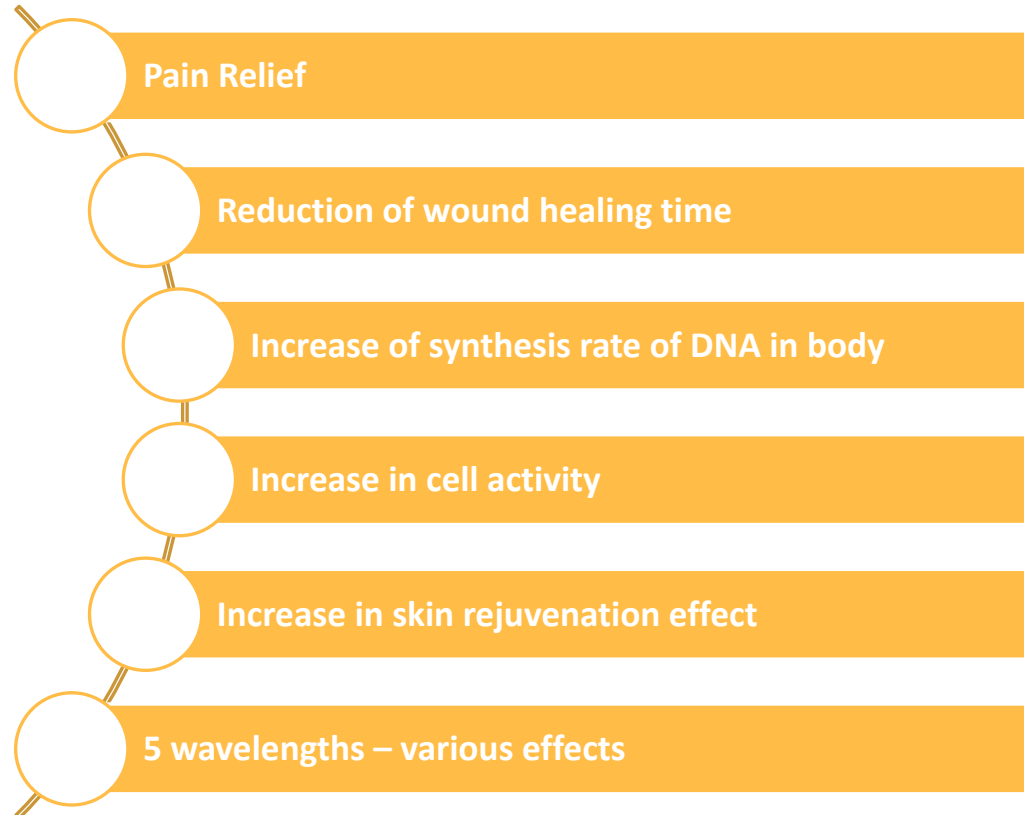
Synergy Effect



Main Treatment



Postcare

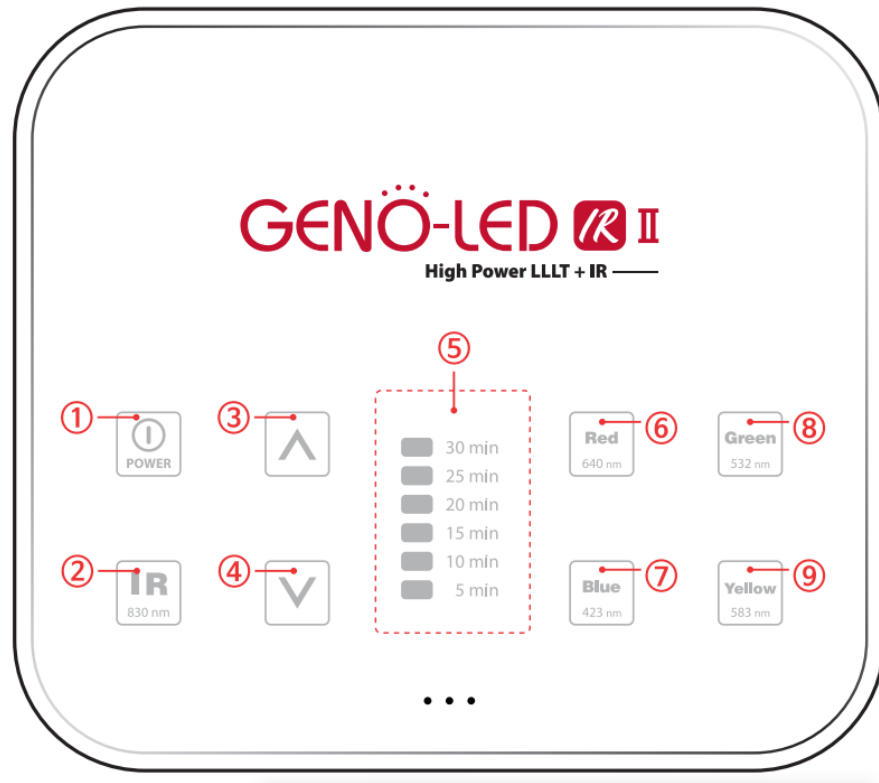


GENÖ-LED II

HOW TO USE



Operation Panel



- ① Power ON/OFF
- ② Infrared Light
- ③ Time Control - Up
- ④ Time Control – Down
- ⑤ Time Indicator
- ⑥ Red Light (Language setting)
- ⑦ Blue Light (Volume setting)
- ⑧ Green Light (Time setting)
- ⑨ Yellow Light

How to Use

1. Connect of the adapter to the adapter power outlet on the side of the product.
 - The power outlets are on both sides of the device and either outlet can be used.
2. Power button lights up and the device goes into standby mode.
3. Touch the Power ON/OFF button.
4. Adjust the time by touching Time setting button.
 - Remaining time is indicated on the Time indicator by five minutes.
 - Guidance message will appear one minute before the end of the set time, and it will automatically turn off after one minute.
5. Touch Red, Blue, Green or Yellow button to select the desired LED light.
6. If you want to irradiate LED light with Infrared light at the same time, touch the button of the desired light and IR button.
 - RED + IR / BLUE + IR / GREEN + IR / YELLOW + IR
7. If you want to cancel the simultaneous use of infrared light, press the IR button again.
8. If you touch Red button and then another button of light (Blue, Green, Yellow), Red light + the chosen light (Blue or Green or Yellow) are irradiated alternately.
 - RED + BLUE / RED + GREEN / RED + YELOW
 - Alternation of lights occurs every three seconds.

*** Language setting, volume setting and time setting are available only in standby mode.

Language / Volume / Time Settings

[Language Setting]

1. Press Red button for more than 3 seconds to start the language setting mode.
2. Select the language using [Λ] , [V] buttons.
(Language options- Korean / Chinese / English / Button sound)
3. Press Red button shortly one more time after selecting language.
4. Language setting will be completed after 5 seconds.

[Volume Setting]

1. Press Blue button for more than 3 seconds to start the volume setting mode.
2. Select the volume using [Λ] , [V] buttons.
(Volume options - Mute / Low / Medium / High)
3. Press Blue button shortly again after selecting volume.
4. Volume setting will be completed after 5 seconds.

[Time Setting]

1. Press Green button for more than 3 seconds to start the time setting mode.
2. Select the time using [Λ] , [V] buttons.
(5~30mins / / Settable per 5 minutes)
3. Press Green button shortly again after setting the time.
4. Time setting will be completed after 5 seconds.

Article

Platelet-Rich Plasma and Micrografts Enriched with Autologous Human Follicle Mesenchymal Stem Cells Improve Hair Re-Growth in Androgenetic Alopecia. Biomolecular Pathway Analysis and Clinical Evaluation

Pietro Gentile ^{1,*}, Maria G. Sciolì ², Alessandra Bielli ², Barbara De Angelis ¹, Ciro De Sio ³, Domenico De Fazio ³, Gabriele Ceccarelli ^{4,5}, Angelo Trivisonno ³, Augusto Orlandi ², Valerio Cervelli ¹ and Simone Garcovich ⁶

¹ Department of Surgical Sciences, Plastic and Reconstructive Surgery, University of Rome “Tor Vergata”, 00173 Rome, Italy; bdeangelisdoc@gmail.com (B.D.A.); valeriocervelli@virgilio.it (V.C.)

² Department of Biomedicine and Prevention, Institute of Anatomic Pathology, University of Rome “Tor Vergata”, 00173 Rome, Italy; sciolì@med.uniroma2.it (M.G.S.); alessandrabielli@hotmail.it (A.B.); orlandi@uniroma2.it (A.O.)

³ Private Plastic Surgeon, 00168 Rome, Italy; dr.cdesio@gmail.com (C.D.S.); defazioplastic@gmail.com (D.D.F.); dott.a.trivisonno@gmail.com (A.T.)

⁴ Department of Public Health, Experimental Medicine and Forensic, Human Anatomy Unit, University of Pavia, 27100 Pavia, Italy; gabriele.ceccarelli@unipv.it

⁵ Center for Health Technologies, University of Pavia, 27100 Pavia, Italy

⁶ Institute of Dermatology, F. Policlinico Gemelli, IRCCS, Università Cattolica del Sacro Cuore, 00168 Rome, Italy; simgarko@yahoo.it

* Correspondence: pietrogentile2004@libero.it; Tel.: +39-3388515479

Received: 4 March 2019; Accepted: 5 April 2019; Published: 8 April 2019

utilization of pharmacological therapeutics targeting on AGA (finasteride, similar drugs, and/or antiandrogens) in the earlier year. Localized expulsion criteria included the utilization of topical medicines for AGA in the earlier year. Low-level led therapy (LLLT) was proposed by the authors 15 days after each treatment to stimulate hair regrowth during the HF-MSCs and PRP treatment and every 3 weeks after the treatment until 6 months post-treatment (Figure 1). The histological outcomes for patients treated with HF-MSCs and PRP were published by the authors. The Wnt pathway and platelet-derived-growth factors effects were analyzed and reviewed. AGA diagnoses were established on parameters reported in the previous works [3,4,15–17].



Figure 1. A non-smoker 58-year-old male patient classified androgenetic alopecia (AGA) 3V according to Norwood–Hamilton Scale. During Low level led therapy treatment performed by Geno-Led.

CASE 1



Courtesy of Dr. Marija Boscovic

1ST : SRS / GENO LED (BLUE LIGHT) / PCS
2-4TH : SRS / ALA mask + GENO LED Blue and
Red Light / PCC

CASE 2



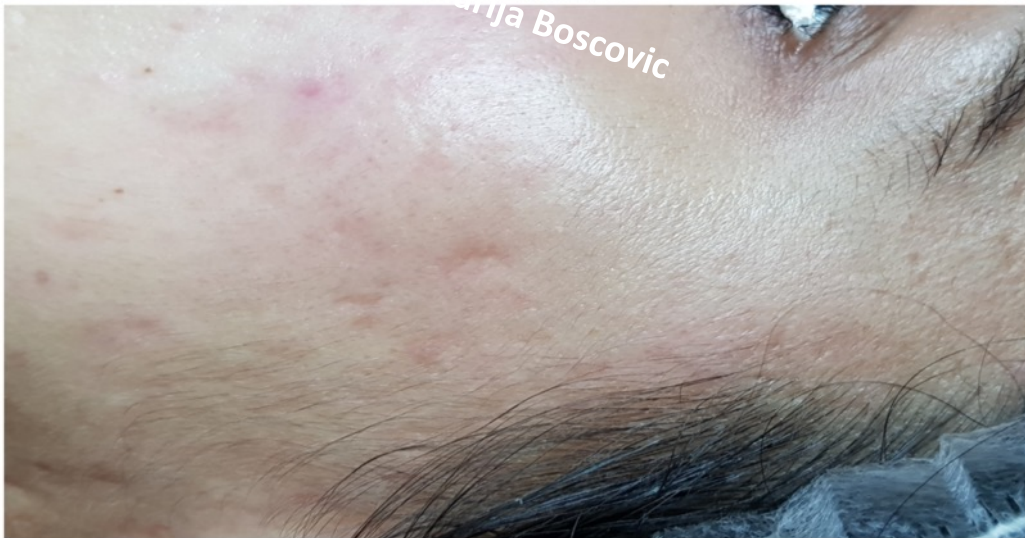
1ST : SRS / GENO LED (BLUE LIGHT) / PCS
2-4TH : SRS / ALA mask + GENO LED Blue and Red Light / PCC

Courtesy of Dr. Marija Boscovic

CASE 3



Courtesy of Dr. Marija Boscovic



4 treatments

CTS + Dermafix

Peptide Gel Mask + GENO LED(Red light)

CASE 4



AKNE

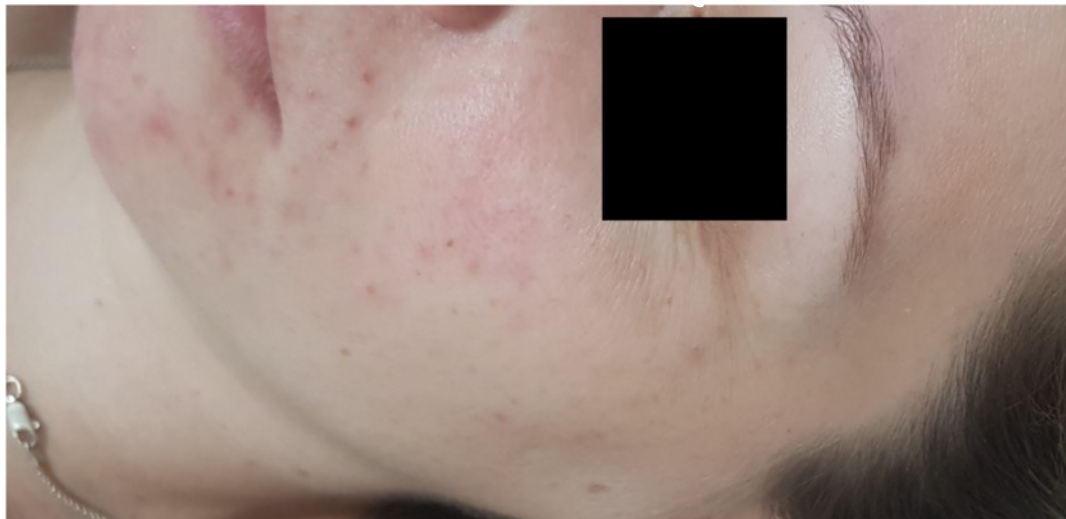
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2-4TH : SRS / ALA mask + GENO LED Blue and
Red Light / PCC



CASE 5



1ST : SRS / GENO LED (BLUE LIGHT) / PCS
2-4TH : SRS / ALA mask + GENO LED Blue and
Red Light / PCC



Courtesy of Dr. Maria Boscovic

CASE 6



4 treatments

AWS + Dermafix

Peptide Gel Mask + GENO LED(Red light)

Courtesy of Dr. Marija Boscovic



CASE 7



1ST : SRS / GENO LED (BLUE LIGHT) / PCS
2-4TH : SRS / ALA mask + GENO LED Blue and
Red Light / PCC

CASE 8



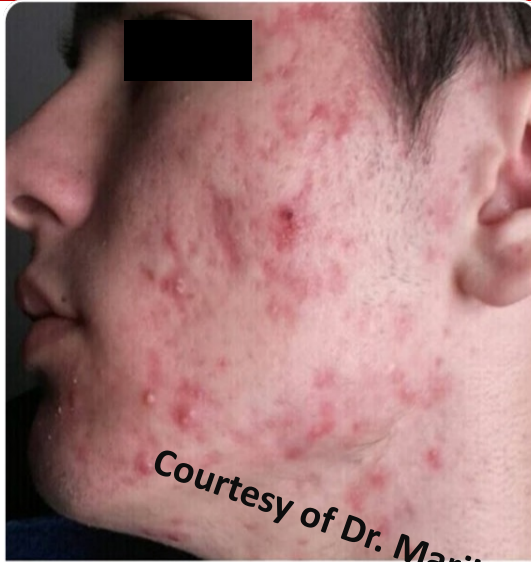
1ST : SRS / GENO LED (BLUE LIGHT) / PCS

2nd : SRS / ALA mask + GENO LED Blue and Red Light / PCC

3rd : SRS / GENO LED (BLUE LIGHT) / PCS

4th : SRS / ALA mask + GENO LED Blue and Red Light / PCC

CASE 9



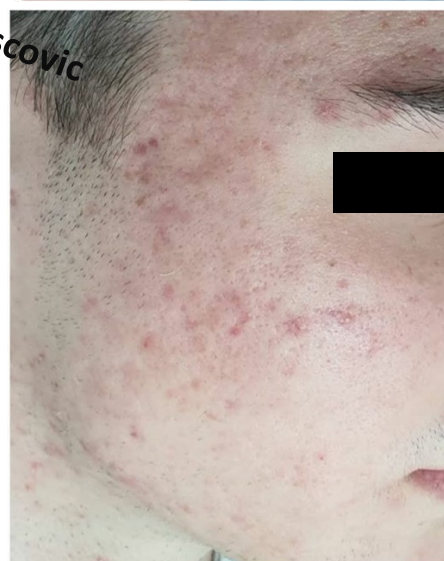
Courtesy of Dr. Marija Boscovic



8 treatments- Acne

1st and 5th : SRS / GENO LED (BLUE LIGHT) / PCS

2~4 and 6~8 th : SRS / ALA mask + GENO LED Blue and Red Light / PCC



4 treatments – Ace scar

CTS/CVS + Dermafix

Peptide Gel Mask + GENO LED(Red light)

CASE 10



Courtesy of Dr. Marija Boscovic



8 treatments- Acne

1st and 5th : SRS / GENO LED (BLUE LIGHT) / PCS

2~4 and 6~8 th : SRS / ALA mask + GENO LED Blue and Red Light / PCC

4 treatments – Ace scar

CTS/CVS + Dermafix

Peptide Gel Mask + GENO LED(Red light)



Thank you.