

ESTHELUX-Pro

PHOTO BIO MODULATION by Doctor

ESTHELUX-Proは狭い発散角で治療結果を強化します。パネルレイ内での SLD の狭くて正確な位置決めの結果 光線の複数の交差点で、最高の光子強度を生成 皮膚のターゲット表面のゾーンに作用し、効果を強化します。

LLLT (low-level light therapy)

ESTHELUX Pro /微弱光セラピーは、光工学プロセスに基づいた光線療法の種類です。新しいスキンケアとして注目を集めているLEDを使った光療法です。



ESTHELUX 15±5

IR Reduction of Inflammation

Cell Reproduction

Sterilization

スカルプ&ヘアケア肌の再生 肌の美白

炎症の軽減 鎮痛 赤みの軽減(635nm時)

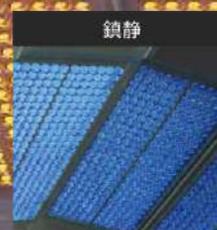
ニキビトラブル鎮静



IR827nm



RED635nm



BLUE410nm

Facial Care

Breast Care

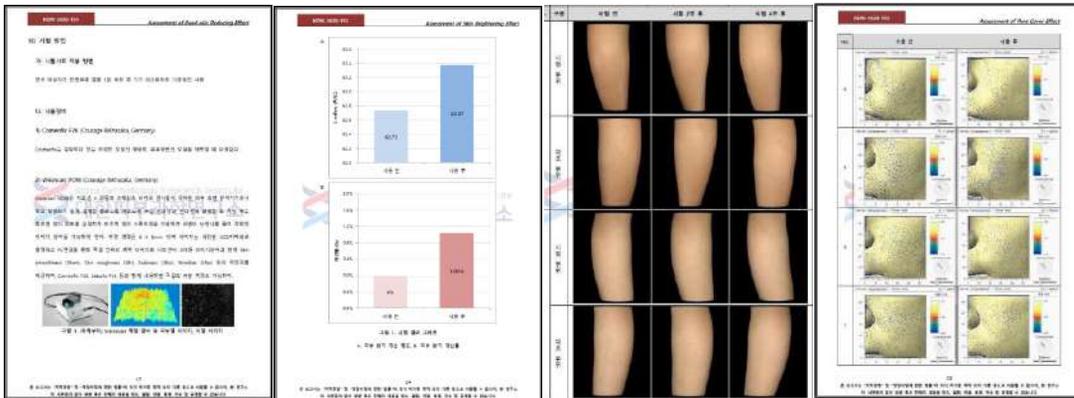
Hair Care

Body Care



仕様	エステラックスプロ 製品スペック	
タイプ	スキンケア機器 (光線治療器)	レベルの強さ(Max)
幅・奥行き・高さ	630*500*860mm	
重さ	17.5 kg	
周波数	Blue-420nm / RED-635nm / IR-830nm	
SLD数	1,296ea	
		Blue(420nm) / 16.9mw/cm
		Red(635nm) / 18mw/cm
		IR(830nm) / 25.8mw/cm
		Blue + IR / 25.1mw/cm
		Blue + Red / 41.2mw/cm
		Red + IR / 33.9mw/cm

韓国皮膚科学研究所の試験申請



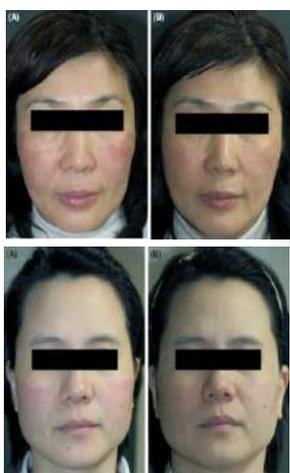
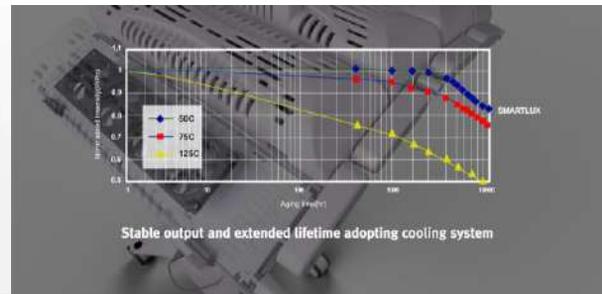
- 太ももの弾力性の改善 ▲11.14%
- 肌の密度 ▲38.41%
- 肌の水分量 ▲16.74%
- 表皮の弾力性 ▲9.16%
- ふくらはぎのむくみ ▼15%
- 腹部の真皮の弾力性 ▲10.77%
- 首周りの表皮の弾力性 ▲7.13%
- 肌の明るさ ▲1.03%
- 皮膚の角質細胞 ▼27.62%
- 毛穴面積 ▼17.21%

合計10件の臨床データがその有効性を証明

- ▶ Fan 冷却ファンが熱を軽減
- ▶ Radiator ラジエーターは温度を下げる
- ▶ Sensors センサーが温度を60℃以下に保ちます



Dr. In Seung-gyun
Human Dermatology



Effect of Light-Emitting Diode Photomodulation in Reducing Erythema After Fractional Carbon Dioxide Laser Resurfacing: A Pilot Study

Background: Fractional carbon dioxide laser resurfacing is a common procedure for skin rejuvenation. However, it often causes post-inflammatory erythema (PIE), which can persist for weeks or months. Light-emitting diode (LED) photomodulation has been shown to have anti-inflammatory and vascular effects. This study aimed to evaluate the effect of LED photomodulation on reducing erythema after fractional carbon dioxide laser resurfacing.

Methods: A pilot study was conducted with 10 patients who underwent fractional carbon dioxide laser resurfacing. The patients were randomized into two groups: the SmartLux group (LED photomodulation) and the Wet dressing group. The primary endpoint was the reduction of erythema, measured using a visual analog scale (VAS) at 1 hour, 24 hours, and 1 week post-treatment.

Results: The SmartLux group showed significantly lower VAS scores compared to the Wet dressing group at all time points. At 1 hour, the SmartLux group had a mean VAS score of 1.9, while the Wet dressing group had a mean score of 3.6. At 24 hours, the SmartLux group had a mean VAS score of 2.5, while the Wet dressing group had a mean score of 3.4. At 1 week, the SmartLux group had a mean VAS score of 3.3, while the Wet dressing group had a mean score of 3.5.

Conclusion: LED photomodulation significantly reduces erythema after fractional carbon dioxide laser resurfacing compared to wet dressing. This suggests that LED photomodulation may be a useful adjunct to laser resurfacing to minimize post-inflammatory erythema.



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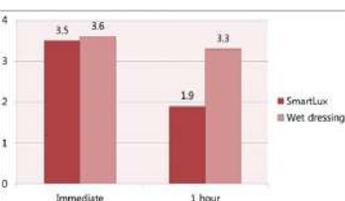
After photomodulation with LED, the erythema after fractional carbon dioxide laser resurfacing was significantly reduced. This suggests that LED photomodulation may be a useful adjunct to laser resurfacing to minimize post-inflammatory erythema.



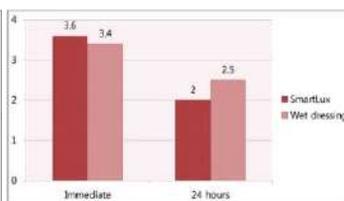
Dr. Kim Ki-bum
Misogain Dermatology



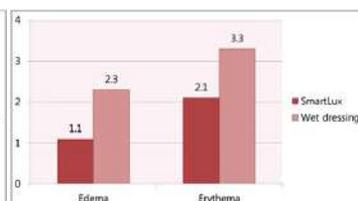
A case of small plaque psoriasis Treated with Combination of 578-nm Copper Bromide Laser with Light-emitting Diode (LED)



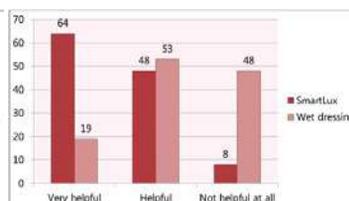
フラクショナルレーザーリサーフェシング後の痛みの変化 (自己評価による)



フラクショナルレーザーリサーフェシング後の紅斑の変化 (視覚アナログスケール)



フラクショナルレーザーリサーフェシング後の浮腫および紅斑の持続期間 (日数)



フラクショナルレーザー治療後の患者満足度