

A white medical device with a black tablet screen. The screen displays "Secret DUO" in white text on a red background. Below the screen are two circular buttons: one with a red person icon and "RF" below it, and another with a red grid icon and "1540" below it. Below the screen is a red circular button with a white arrow, and a blue power button with a white power symbol. The device has a white handle on the left and a white handle on the right.

Initial Clinical Trial Report

PRESENTED BY ILOODA CLINICAL TRAINING
CENTER, JAKARTA

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Overview

Secret DUO is a Multi-Platform Device that provides: 1540nm Er: GLASS Laser, Microneedle Fractional RF (Bipolar), and Microneedle Monopolar RF (SmartCure)

Secret DUO allows practitioners to achieve significant improvements in Scar Management while avoiding any prolonged downtime. The safety profile can be adjusted to minimize downtime and minimize the risk of side effects.

With the combined treatment of 1540nm Er: GLASS Laser and Microneedle Fractional RF, significant clinical improvements can be achieved in 2 or 3 treatments of Monthly sessions.

Combined Treatment seems more effective than individual treatment.

Secret DUO is also considered a very versatile device since practitioners may use the available technologies in combination or individually.

Parameters and Methods of Scar Treatment

Using Individual Technologies:

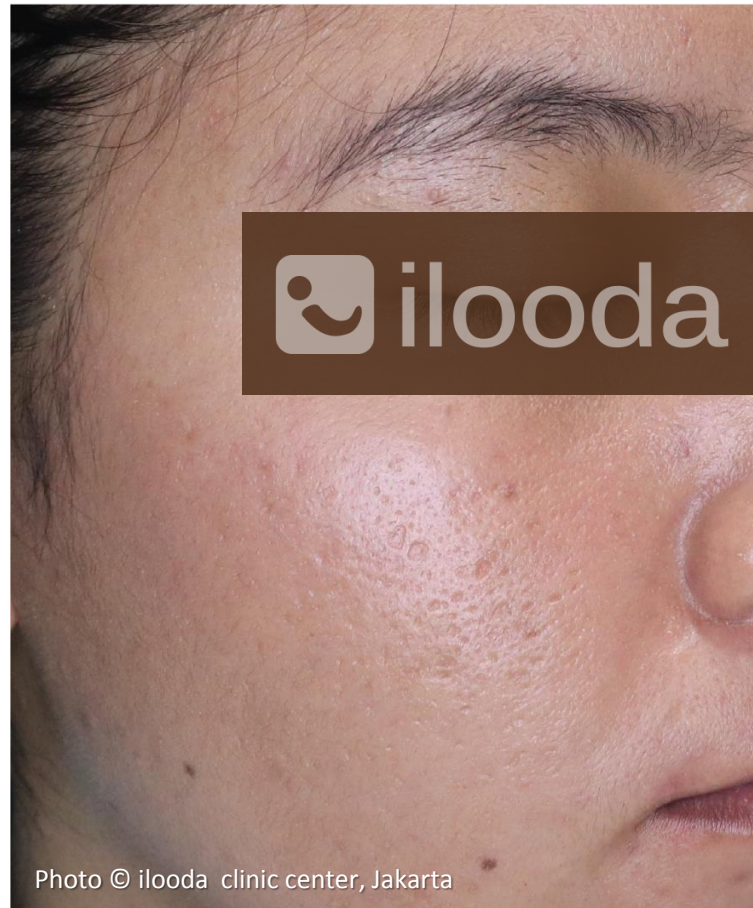
- Microneedle Fractional RF:
 - 40% 200ms 1.5mm – 2mm Depth, 3 passes on Lesion, 1 pass on other areas.
- 1540nm Er: GLASS Laser:
 - 300um, 12-15mJ, 1mm, 1-Stack, 3 to 4 passes with i-Motion (Move every 2 Beeps)

Using Combination:

- Same parameters as above, however, we limited the passes to 2-pass each in order to prevent prolonged downtime and reduce pain.

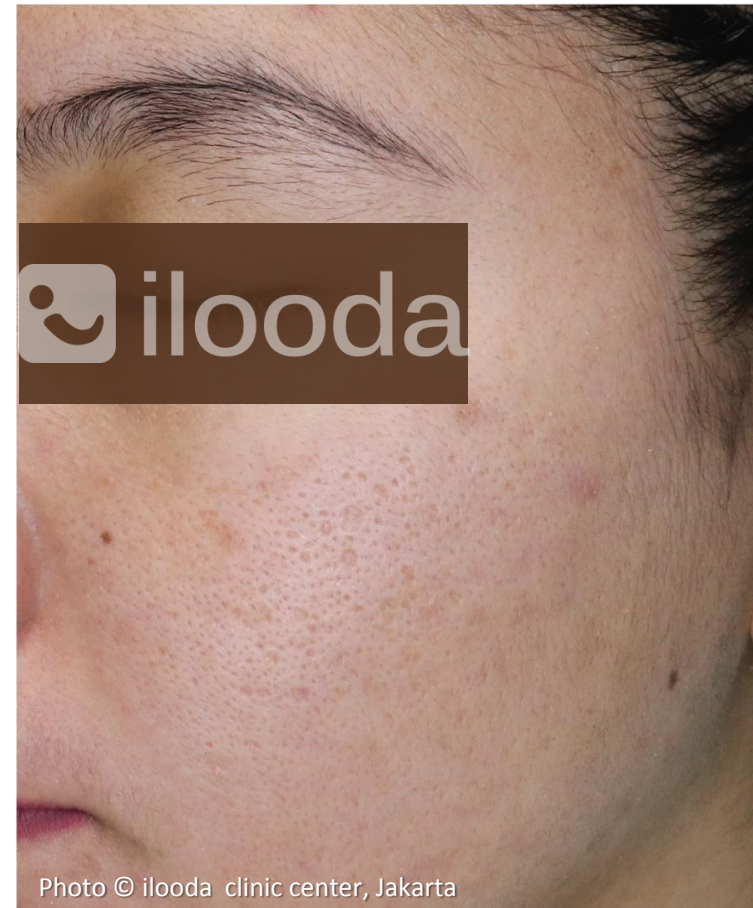
Results #1

2 Treatments of 1540nm



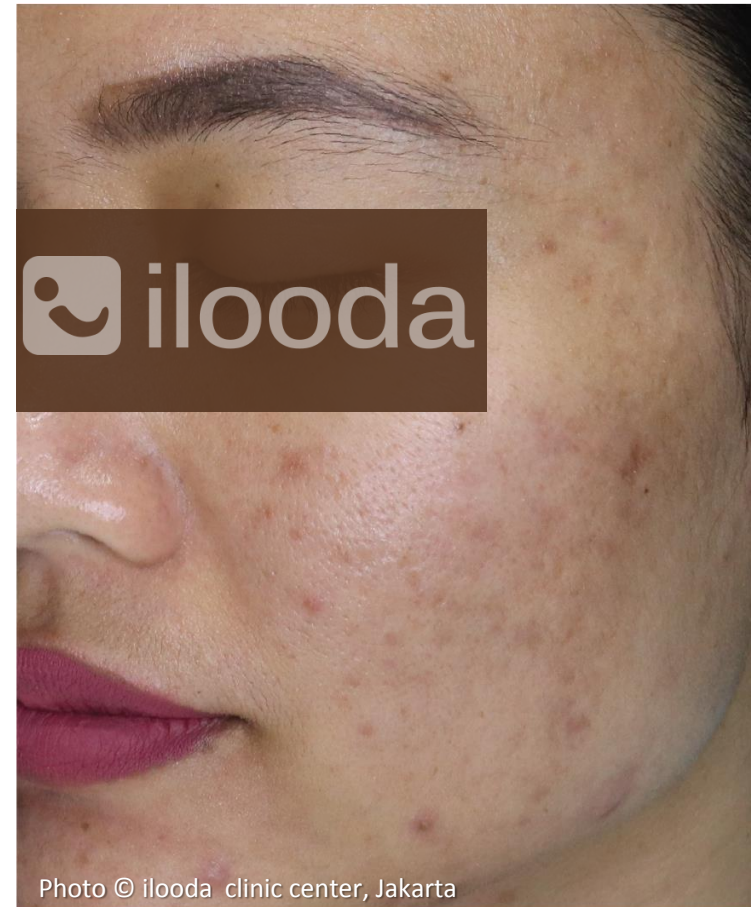
Results #1

2 Treatments of 1540nm



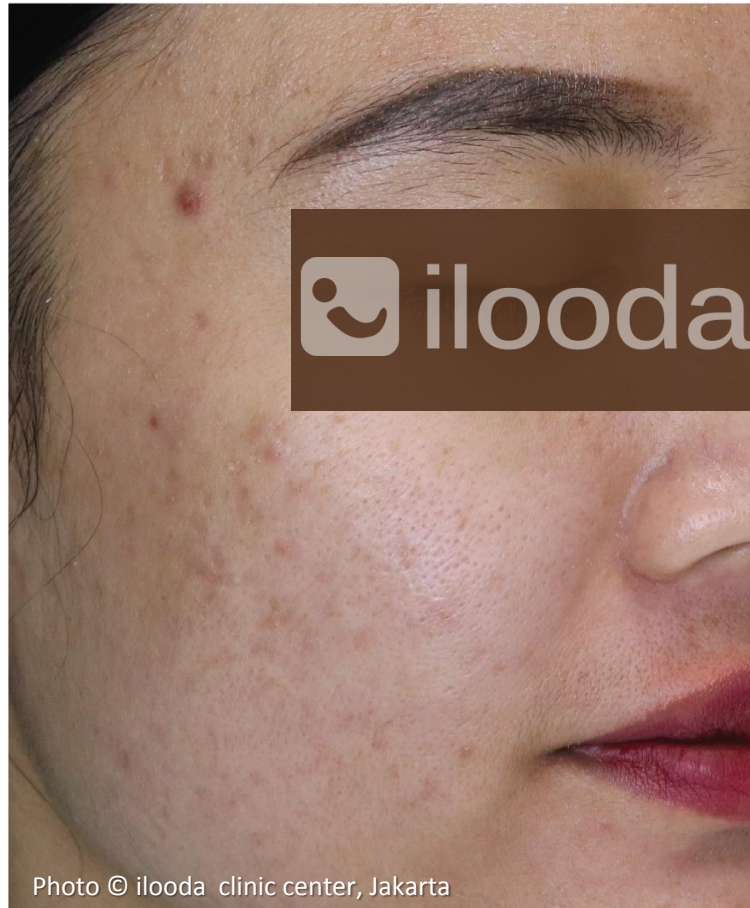
Results #2

2 Combined Treatments



Results #2

2 Combined Treatments



Results #3

2 Combined Treatments



Results #3

2 Combined Treatments



Downtime

We have noticed that the downtime of using 1540nm Er: GLASS Laser is longer than using Microneedle Fractional RF.

With 1540nm Er: GLASS, patients experience prominent redness that diminishes over 3 to 5 days.

With Microneedle Fractional RF, patients sometimes experience redness that diminishes over 1 to 3 days.

The Downtime of a combined treatment usually follows after the 1540nm Er: GLASS Laser Treatment, which is 3 to 5 days of Redness.

Risk of Side Effects

During our trial, when using 1540nm Er: GLASS Laser, energy above 16mJ may cause Crusts on Indonesian Skin. And the higher the density of the beams (the narrower the beam distance the higher the density), the higher the chance to burn the skin.

On the Sample Patient we actually burned the patient's skin during our first trial of using 1540nm Er: GLASS Laser during the process of trying to find the proper parameters. It resulted in worsening of the scar.

When using Microneedle Fractional RF, energy 50% and above may cause Crusts on dry Indonesian Skin. Inappropriate treatment skill also contributes to Epidermal Burn.

Pain Level

Throughout all treatment sessions with all patients, the Pain Level was quite high.

With the most comments that note 1540nm Er: GLASS Treatment is “More Painful”.

We need to find a solution to manage this pain related to 1540nm Er: GLASS Treatment in order to provide better experience to patients.

Overall, Secret DUO may offer higher satisfaction and greater clinical efficacy in treating patients with Acne Scar.