



**AGE**  
is nothing for your  
**PERFECT SKIN**

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# ulverin

Micro needle RF



# MICRO NEEDLE RF (MFR)

## MICRO NEEDLE + RADIO FREQUENCY

Micro needle RF is combined technology of micro needle and radio frequency. It is an ideal technology for skin rejuvenation by applying precisely controlled RF energy directly into a certain depth of epidermis with minimally invasive micro-needles.

In addition, micro needle RF stimulates inner skin to produce collagen and elastic fibers through wound healing process.



### TIGHTENING

PORE REDUCTION  
SEBUM SECRETION

### LIFTING

COLLAGEN  
ELASTIC FIBER

### REGENERATION

SKIN TONE  
SKIN TEXTURE

### ANTI-WRINKLE

EYE / CHIN / NECK  
SKIN REJUVENATION

### ANTI-ACNE

ACNE SCAR

## CLINICAL DATA

### Evaluation of Micro-needling Fractional Radiofrequency Device for Treatment of Acne Scars

**Result :** Estimation of improvement with Goodman and Baron's Global qualitative Acne Scarring System showed that in 14 patients with Grade 4 scars, 85.71% showed improvement by 2 grades, 14.28% showed improvement by 1 grade. In 17 patients with Grade 3 scars, 76.47% improved by 2 grades and 23.52% showed improvement by 1 grade. Of the 31 patients with Grade 3 and Grade 4 acne scars, 80.64% showed improvement by 2 grades and 19.35% showed improvement by 1 grade. Rolling and box scars showed better response than icepick scars. Estimation of improvement with Goodman and Baron's Global quantitative Acne Scarring System showed that 58% of the patients had moderate improvement, 29% had minimal improvement, 9% had good improvement and 3% showed very good improvement Hence, all 31 patients (100%) showed improvement in their scars with no failure rate.

The treatment was well tolerated with transient side effects such as mild erythema, post-inflammatory hyperpigmentation and track marks of the device.

**Figure 1**



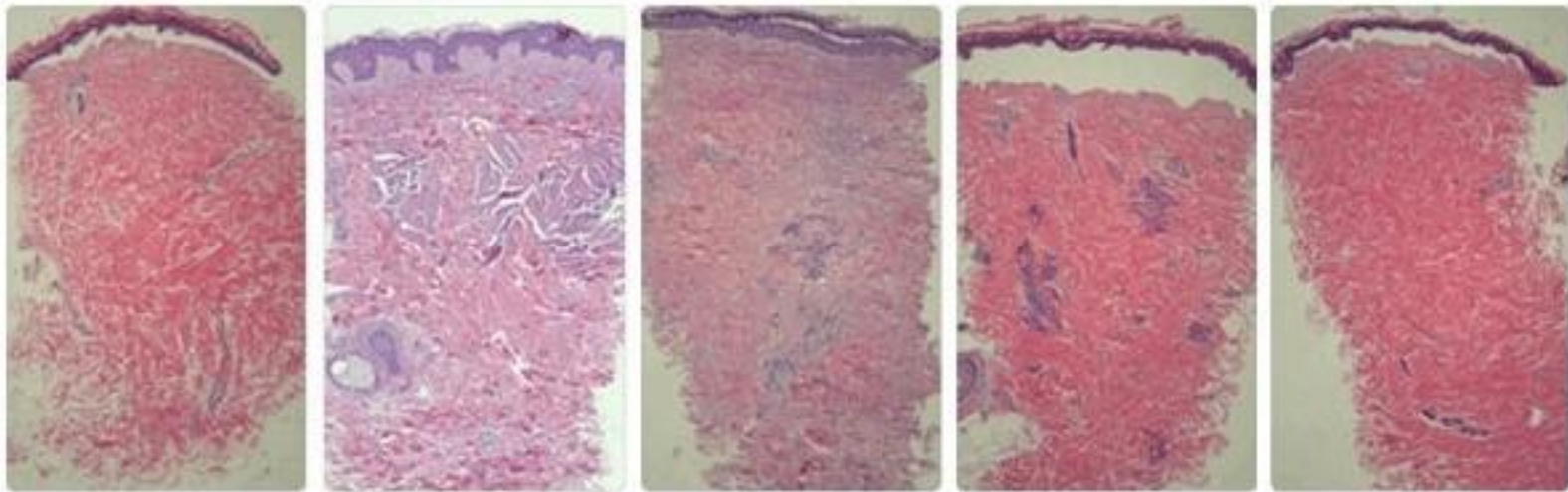
**Figure 2**



**Figure 3**



## WHM (WOUND HEALING MECHANISM) BY RF ENERGY



BEFORE

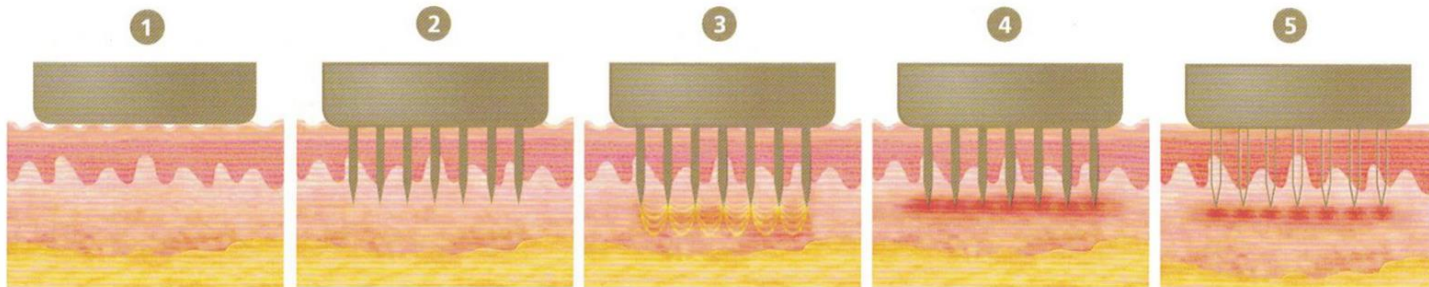
2 DAYS LATER

14 DAYS LATER

28 DAYS LATER

70 DAYS LATER

## HOW ULVERIN R WORKS?



1  
Contact the hand-piece on the skin

2  
Insert the micro-needles into skin

3  
Bipolar RF energy is directly applied to the target areas

4  
Denaturation and Coagulation

5  
Remove the skin. Collagen regeneration and new elastic production process begins.

## ULVERIN R ADVANTAGES

- ✓ Portable device
- ✓ Adjustable needle
- ✓ Vacuum effect
- ✓ Insulated needle
- ✓ MFR (Microneedle Fractional Radiofrequency)



## PORTABLE ADVANTAGES



- ✓ 180° rotatable screen
- ✓ Portable All-in-one device
- ✓ Cost-effective
- ✓ For Face and Body



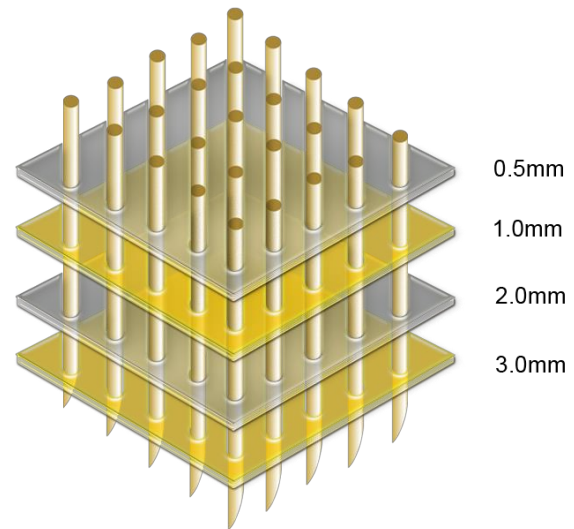


# ULVERIN R NEEDLE

25pins Sterilization needle tip  
&  
**adjustable** needle

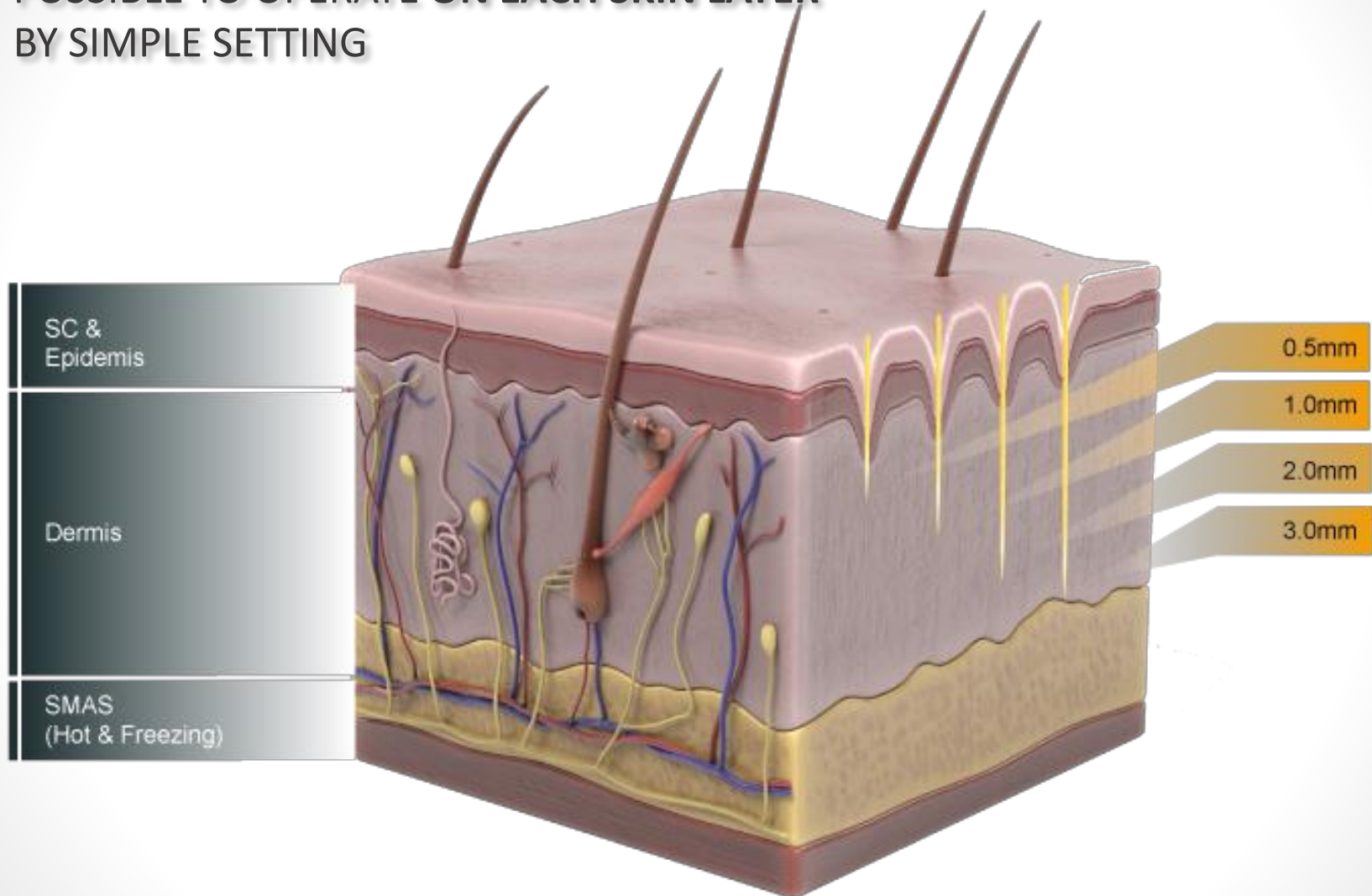


RF : 1 MHz



0.5mm  
1.0mm  
2.0mm  
3.0mm

POSSIBLE TO OPERATE ON EACH SKIN LAYER  
BY SIMPLE SETTING

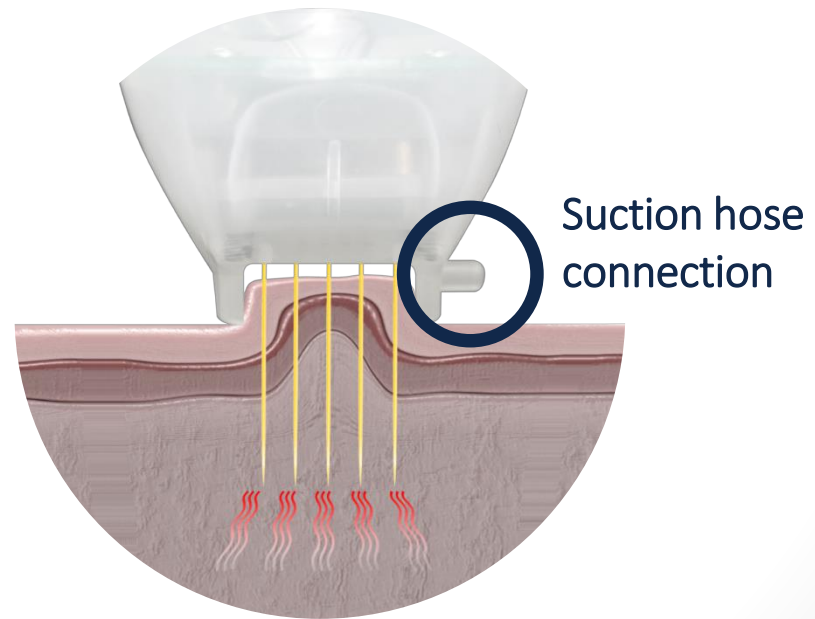


## WHAT IS THE ADVANTAGE OF SUCTION?

SUCTION MAKES

PRECISE  
STABLE  
SAFE  
EFFECTIVE

TARGET-TREATMENT



## VACUUM RF VS NON-VACUUM RF

VACUUM RF



It doesn't need to pinch or crush the skin to make the skin surface evenly.

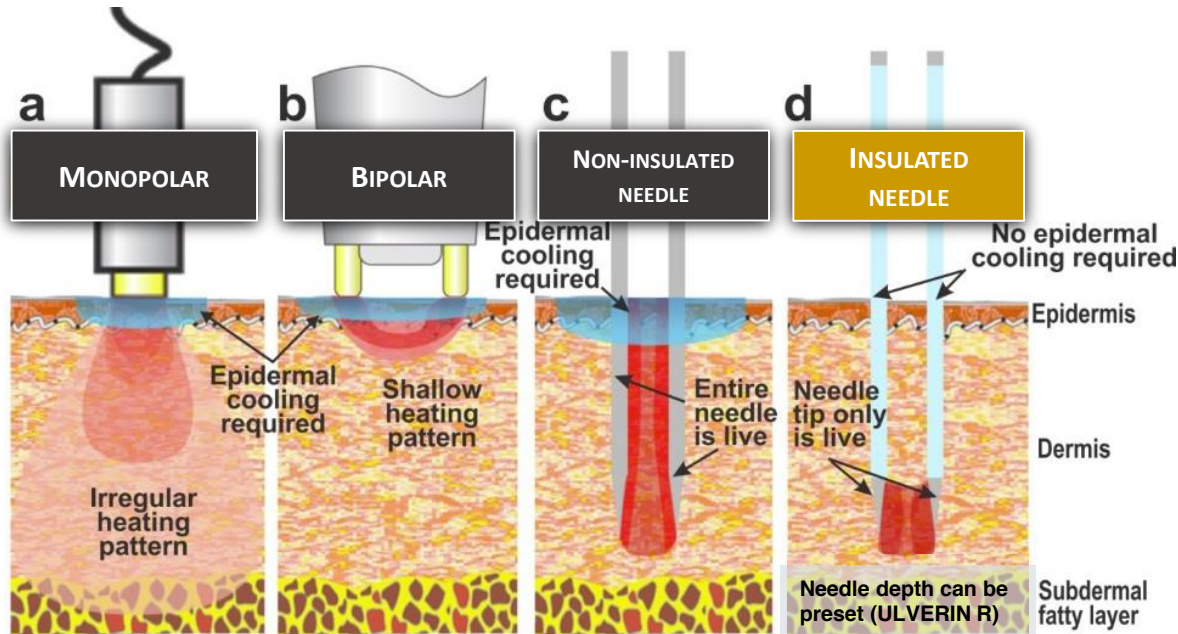
Suction makes the treatment stable, safe and effective targeting during treatment.

NON-VACUUM RF



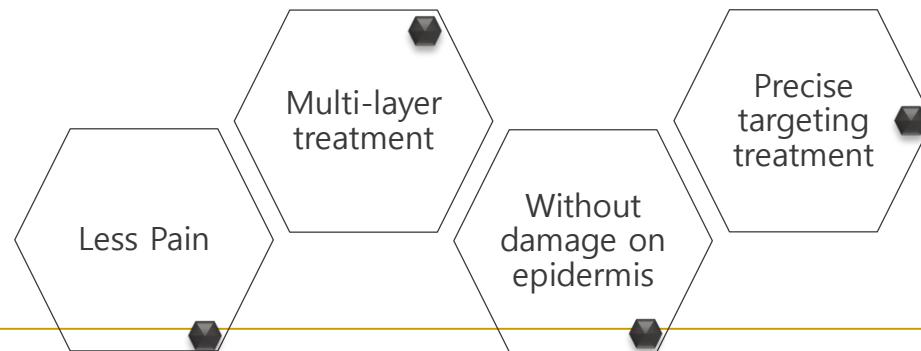
Pinching or crushing the skin to make the skin surface evenly for stable, safe and effective targeting without suction.

# INSULATED NEEDLE VS NON-INSULATED NEEDLE



The electrothermal damage pattern compared schematically between uninsulated and insulated needles. With uninsulated needles, epidermal cooling is required to protect the epidermis from electrothermal damage. This is not the case for insulated needles, where epidermal damage is limited to mechanical needling.

## ADVANTAGES WITH INSULATED NEEDLE

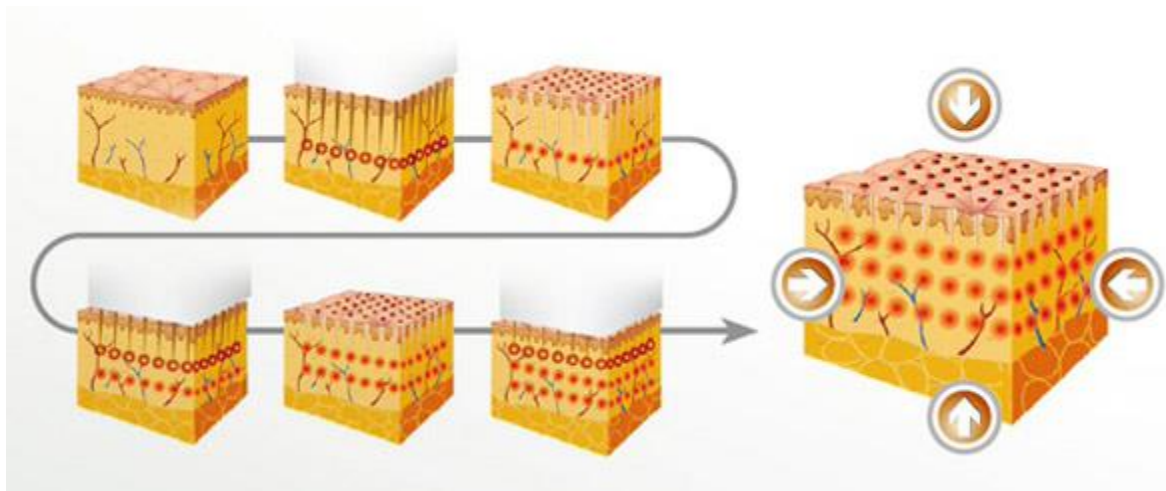


## INSULATED NEEDLE VS NON-INSULATED NEEDLE



The insulated needles delivers energy at the target without heating up the skin surface.

## 3D FRACTIONAL MULTI-LAYER TREATMENT

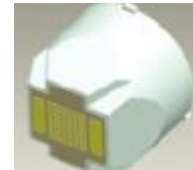


Insulated needle enables **multi-layer treatment** with **precise targeting RF** treatment without any damage on surrounding tissues.

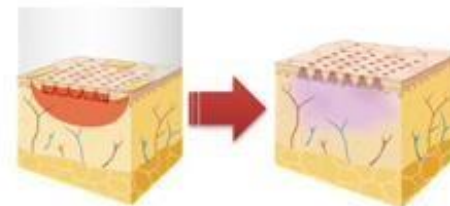
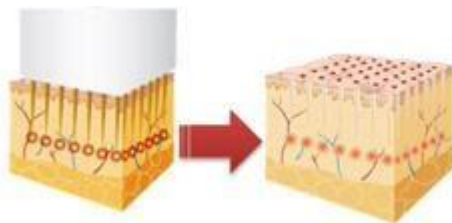
## MFR (MICRONEEDLE FRACTIONAL RF) VS SFR (SUPERFICIAL FRACTIONAL RF)



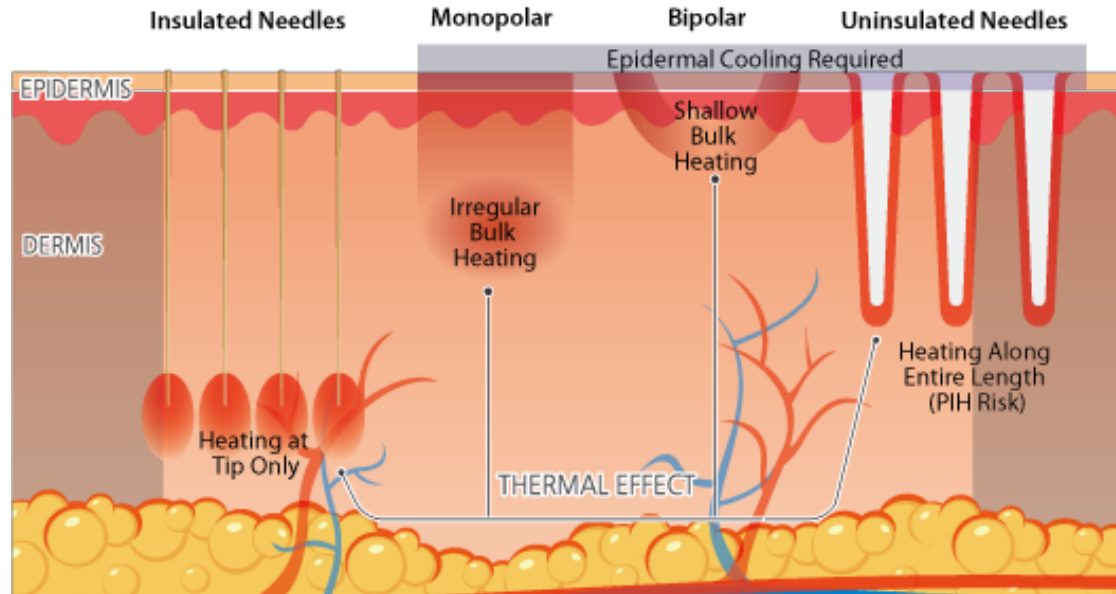
Micro needling fractional radio frequency (MFR) has fine needles which puncture the skin to deliver the radio frequency to the deeper levels of the dermis, providing a three dimensional delivery of energy maximizing skin volumization while dramatically tightening and rejuvenating the skin.



Superficial fractional radio frequency (SFR) employs a minimally invasive delivery of radiofrequency to the epidermis and dermis for resurfacing the skin and stimulating the production of collagen for a more toned and refined skin.



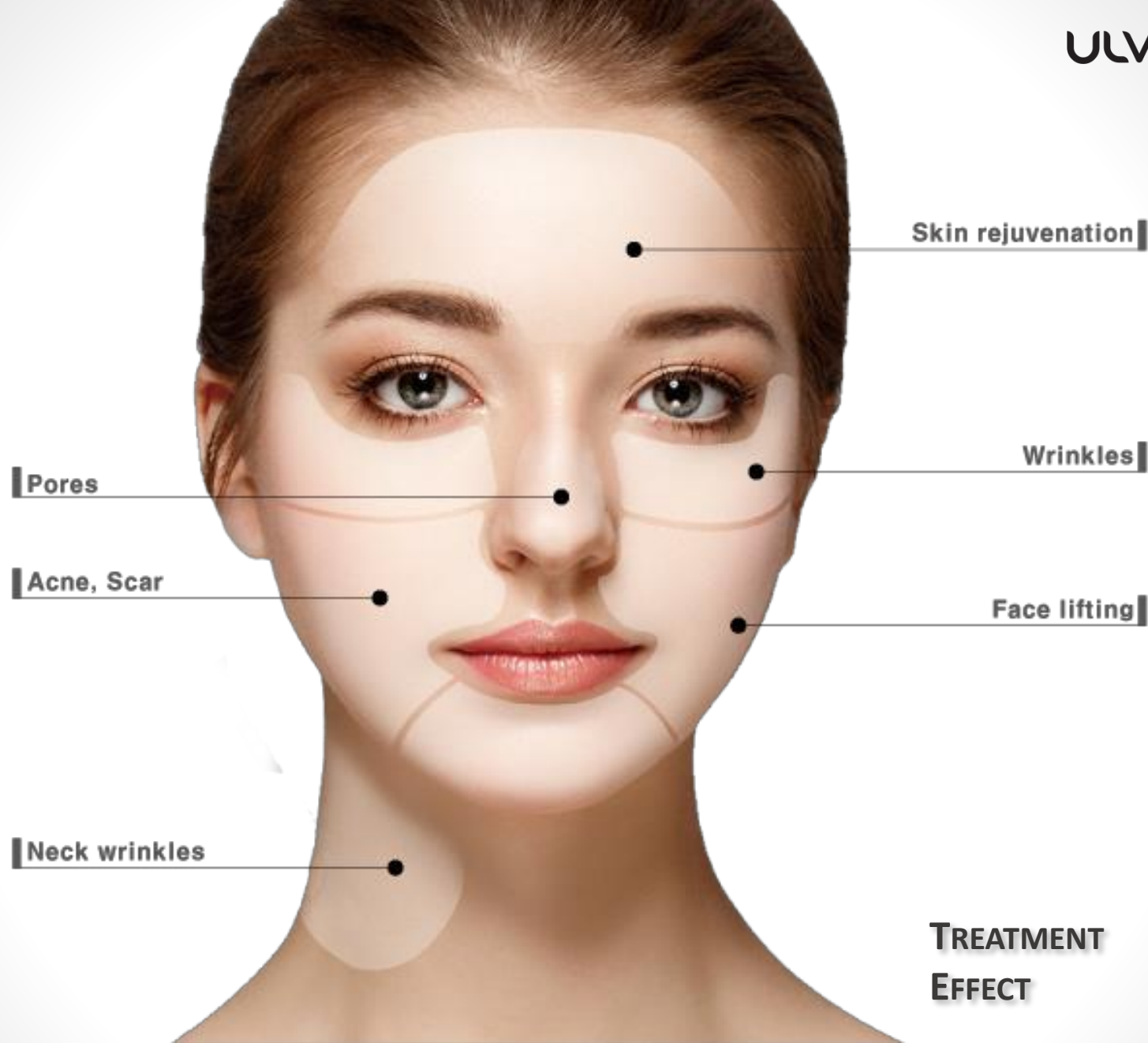
## COMPARISON WITH OTHER TECHNOLOGY



Technology	Insulated Needles	Mono-polar	Bi-polar	CO <sub>2</sub> Laser
Feature	Heating at precise target	Irregular Bulk Heating	Shallow Bulk Heating	Heating Along Entire Length (*PIH Risk)

\* PIH : Post Inflammatory Hyperpigmentation





Skin rejuvenation

Wrinkles

Face lifting

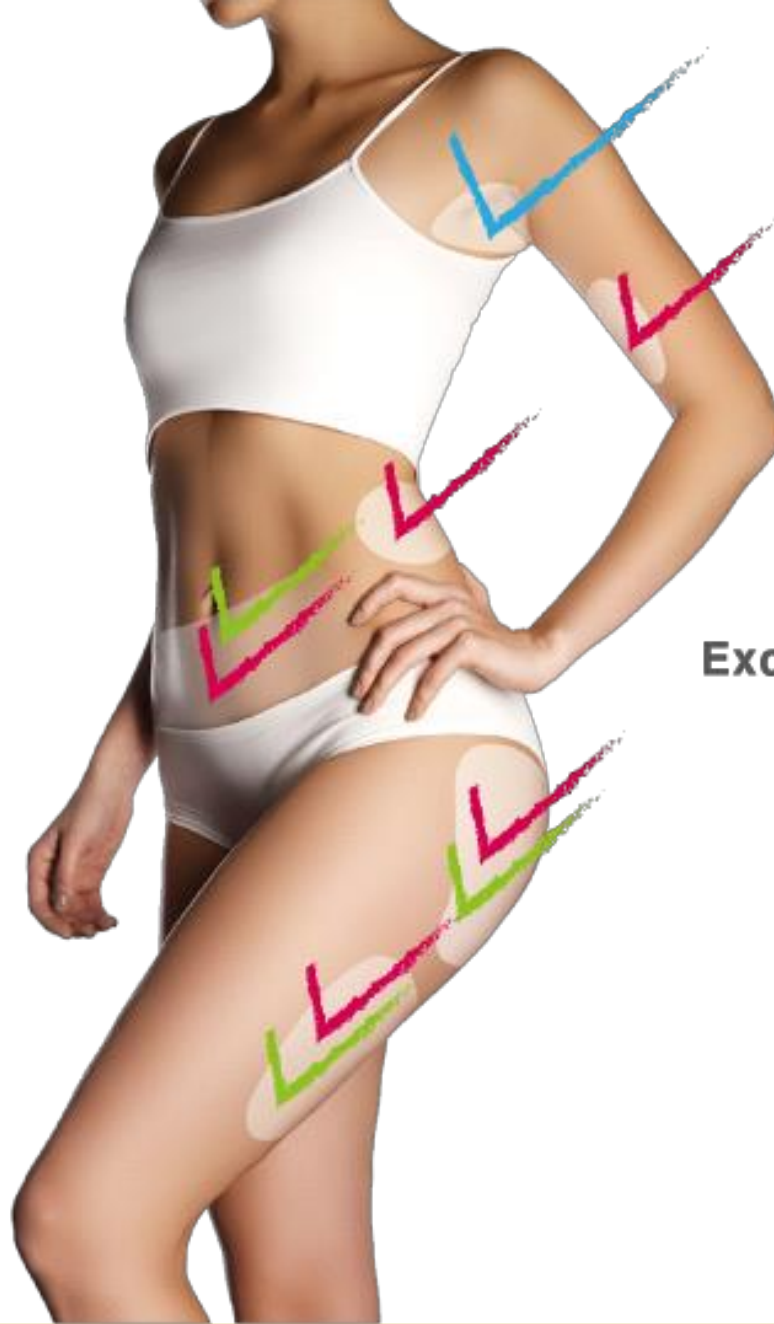
Pores

Acne, Scar

Neck wrinkles

TREATMENT  
EFFECT

TREATMENT  
EFFECT



Excessive sweating 

Stretch marks 

Cellulite 

TREATMENT  
EFFECT



## CLINICAL RESULT



### PORE TREATMENT

When radio frequency stimulates sebaceous glands, it causes change in affected layer with new connective tissue and tightened pores as the result on the left side.



### SKIN RESILIENCE TREATMENT

Micro needle RF stimulates poor skin to generate collagen and elastic fibers inside of skin. So, it is perfect for giving resilience to inner skin and for improving wrinkles.

EYE WRINKLES



EYE WRINKLES



ACNE







CHIN WRINKLES





# SPECIFICATION



	<p>Potable machine. Only 4.2kg</p>
	<p>Minimizing invasion with 0.3mm needle</p>
	<p>Suction with Vacuum function. minimizing pain.</p>
	<p>Safe to use. If treatment does not start in 30 seconds after pressing the start button, operation will stop automatically.</p>

## TREATMENT PROCEDURE



Cleansing

Before start, makeup and any other waste has to be removed perfectly from treatment area.



Apply anesthetic creams

Anesthetic creams makes it less painful leave for about 40 min



Start Treatment

It is about 30 minutes treatment. Once in a four weeks are recommended



After treatment

cooling or any other action must be supplied for relaxing the skin.



# Q&A

## 1. How long does the effect last?

The effect will last about 12 months or longer depending on management after treatment. Please follow the therapy guide to see the best result. Therapy guide will guide you treatment interval and effective settings.

## 2. How long will each treatment take?

It differs depend on how many shots, skin areas and treatment skills. Generally, it takes about 30 minutes to treat the entire face.

## 3. Is there any aftereffect?

There would be a line of erythema or slight edema in treated area depending on the patient. Symptoms are different depending on the patient but usually it disappears after 2~3 days after treatment. In the case of severe erythema, calm the skin by cryo, cool pack.

## 4. What are the precautions before treatment?

Do not operate treatments to clients who have implant teeth. Neither going to sauna nor drinking is recommended within 1 week after the treatment.

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