

ULTRAcel™

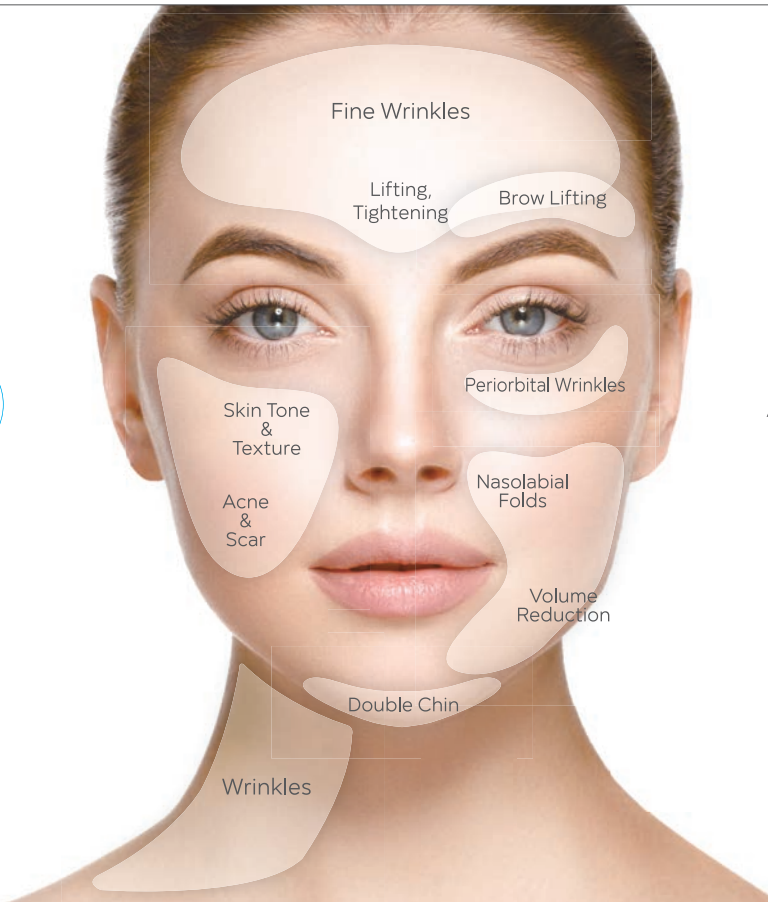
ULTRAcel™ Clinical Casebook



Best Value
Combination Treatment Platform
Innovative **3 in 1** device for All Layer Therapy !

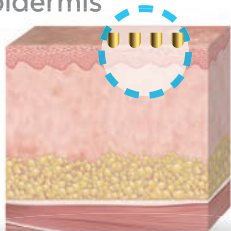


A L T

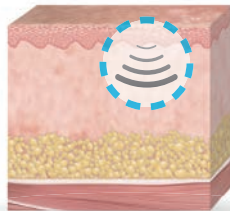


All Layer Therapy

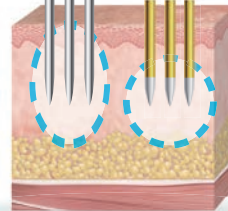
Epidermis



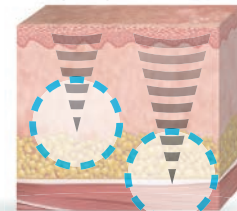
Upper Dermis



Dermis



Upper Dermis SMAS



01 Epidermis
Superficial RF Rejuvenation



SRR Tip

49 non-invasive
needles



- Fine Wrinkles
- Skin Tone
- Skin Texture

02 Upper Dermis
Grid Fractional RF



GFR Tip

7 X 7mm

15 X 15mm



- Nasolabial Folds
- Tightening
- Periorbital Wrinkles
- Acne

03 Dermis
Fractional RF Microneedling



SRT™ Tip

16 non-insulated
needles



(OPTIONAL)

FRM Tip

49 insulated
needles



- Acne, Acne Scars
- Stretch Marks, Pores
- Skin & Decolletage Rejuvenation
- Skin Rejuvenation
- Decolletage Rejuvenation
- Melasma
- Flushing

04 SMAS/Upper Dermis
High Intensity Focused Ultrasound



HIFU Cartridge

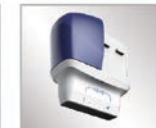
UQ 1.5 Cartridge

UQS 2.0 Cartridge



UQ 3.0 Cartridge

UQ 4.5 Cartridge



- Lifting
- Tightening
- Volume Reduction
- Double Chin
- Nasolabial folds
- Periorbital wrinkles



[Pretreatment]

INTRAcet™ annually 2011-2014



[4 weeks after ULTRAcel™]

HIFU + FRM + GFR [Case 01.]

No data

Result : There is tightening of a jawline, cheek area and elevation of the eyebrows. The oval of the face is more defined.



[Pretreatment]

INTRAccl™ annually 2011-2014



[4 weeks after ULTRAcel™]

HIFU + FRM + GFR [Case 01.]

No data

Result : There is tightening of a jawline, cheek area and elevation of the eyebrows.



Photo courtesy of Dr Marge Uibu, M.D.

[Pretreatment]

INTRAccl™ annually 2011-2014



Photo courtesy of Dr Marge Uibu, M.D.

[4 weeks after ULTRAcel™]

HIFU + FRM + GFR [Case 01.]

No data

Result : There is tightening of a jawline, cheek area and elevation of the eyebrows.



[2011 before INTRAcet™]

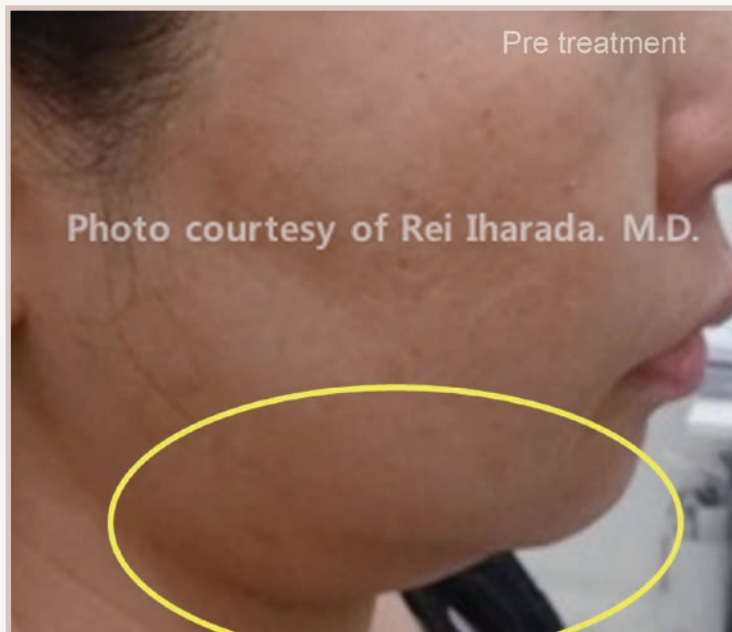


[After annual INTRAcet™ and 1 ULTRAcel™ 2015]

HIFU + FRM + GFR [Case 01.]

No data

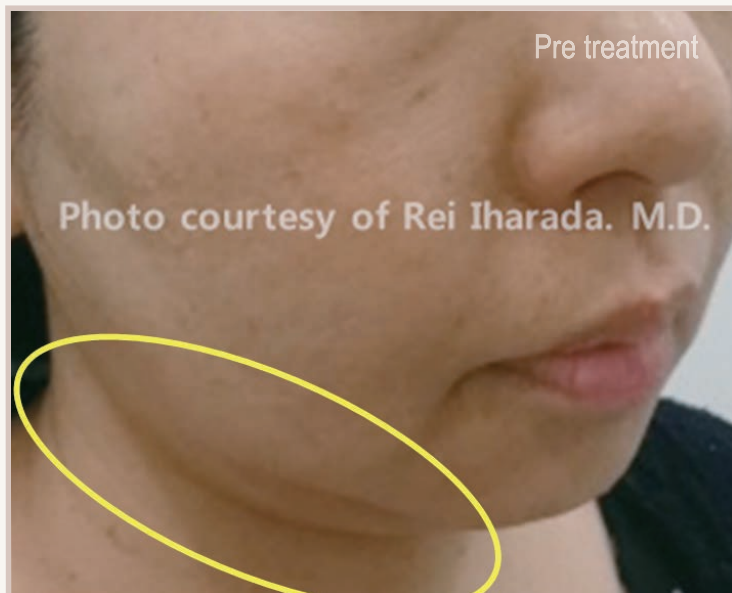
Long-term 5 year results of INTRAcet™ since 2011 there is a major rejuvenation effect of a face. The mouth, cheek, eye and eyebrow areas are tightened and elevated and the youthful outlook has been restored. The effect has been maintained with one annual INTRAcet™ treatments.



HIFU + GFR + SRR [Case 01.]

HIFU H 4.5, 0.8J~1.0J 352Lines • HIFU H 3.0, 0.6J~0.8J 352Lines

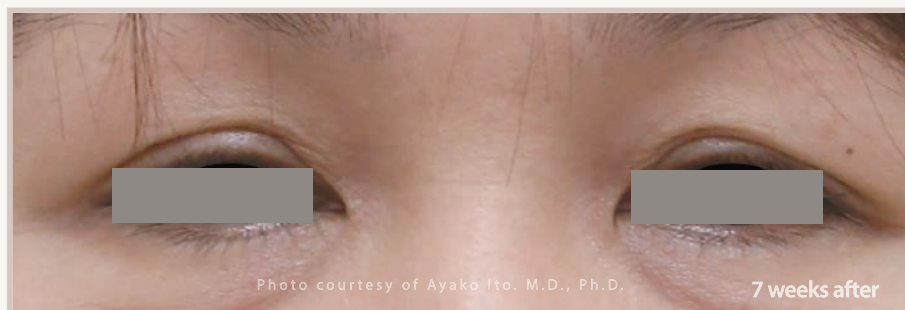
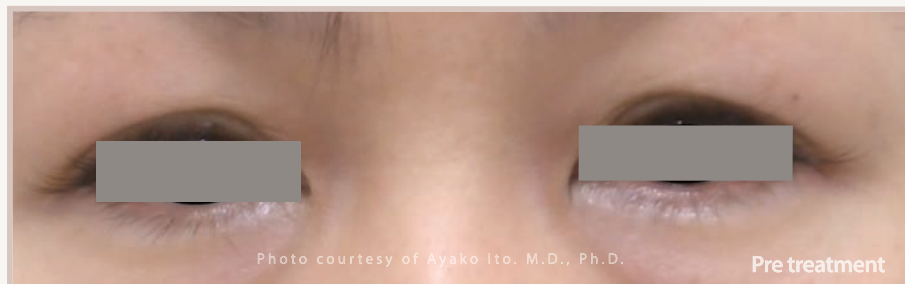
GFR 15*15, 101~120J/cm², 530shots, with cooling • SRR Lv 2~3, 409shots



HIFU + GFR + SRR [Case 01.]

HIFU H 4.5, 0.8J~1.0J 352Lines • HIFU H 3.0, 0.6J~0.8J 352Lines

GFR 15*15, 101~120J/cm², 530shots, with cooling • SRR Lv 2~3, 409shots



HIFU + GFR + SRR [Case 02.]

HIFU H 3.0, 0.7~1.0J, 206line • GFR on 0.3s/off 0.5s/2pulse, 412shot

SRR 3Level, 324shot



HIFU + GFR + SRR [Case 03.]

HIFU H 3.0, 0.7~1.0J, 206line • GFR on 0.3s/off 0.5s/2pulse, 412shot

SRR 3Level, 324shot



HIFU + GFR + SRR [Case 04.]

HIFU H 3.0, 1.0J, 166line. HIFU H 4.5, 1.5J, 148line • GFR on 0.3s/off 0.5s/2pulse, 464shot

SRR 3Level, 360shot



HIFU + GFR + SRR [Case 05.]

HIFU H 3.0, 0.6J, 135line • GFR on 0.3s/off 0.5s/2pulse, 210shot

SRR 2~3Level, 78shot



HIFU + GFR + SRR [Case 06.]

HIFU H 3.0, 0.7~0.9J, 220line • GFR on 0.3s/off 0.5s/2pulse, 368shot

SRR 3Level, 222shot



HIFU [Case 01.]

HIFU 4.5 : 1.1 J/cm² & 3.0 : 0.8 J/cm² Total Shots : 650

ULTRAcel

[Jawline, Chin]

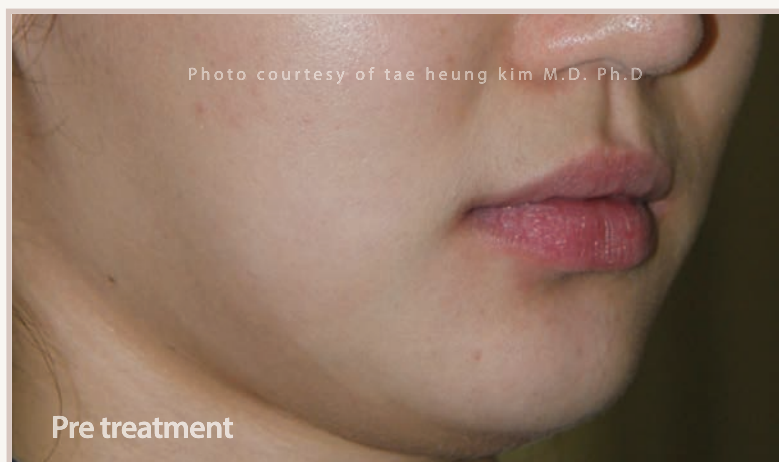
Jeisys
Better You



HIFU [Case 02.]

HIFU H 3.0, 1.2 Spacing , 0.8J / 0.6J, 20/15 Line • HIFU H 4.5, 1.2 Spacing , 1.5J / 1.3J, 20/30 Line

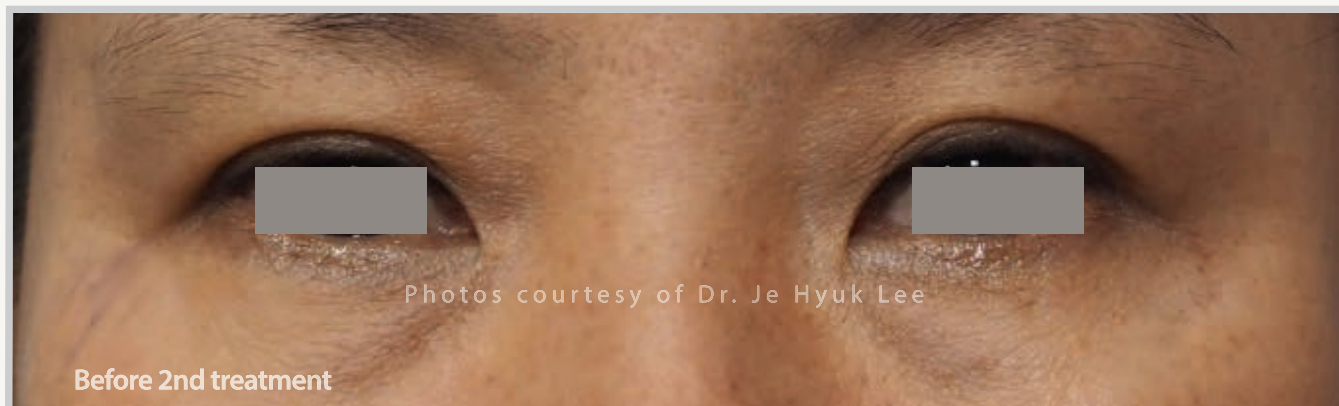
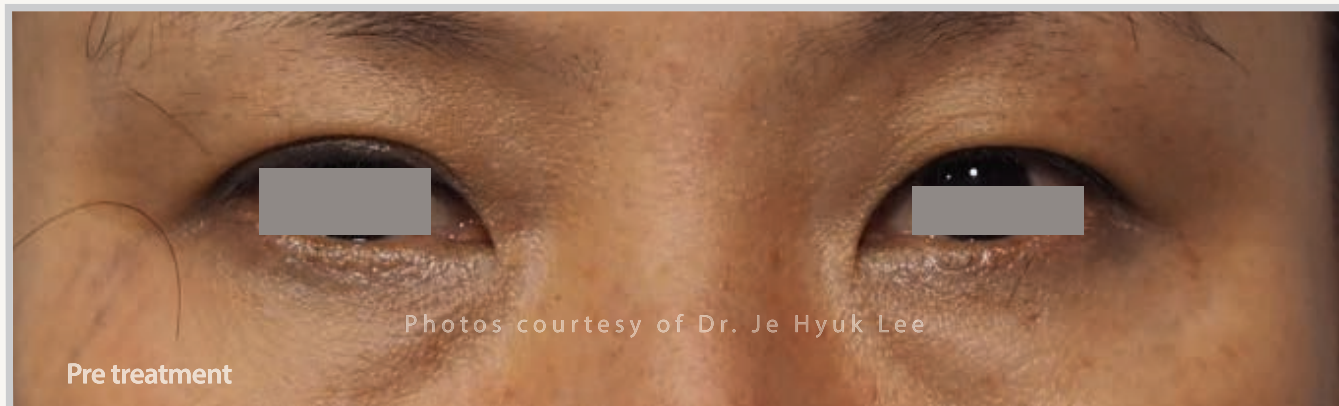
Addition [**CHIN**] 1.2 Spacing, 1.2J



HIFU [Case 02.]

HIFU H 3.0, 1.2 Spacing , 0.8J / 0.6J, 20/15 Line • HIFU H 4.5, 1.2 Spacing , 1.5J / 1.3J, 20/30 Line

Addition [**CHIN**] 1.2 Spacing, 1.2J



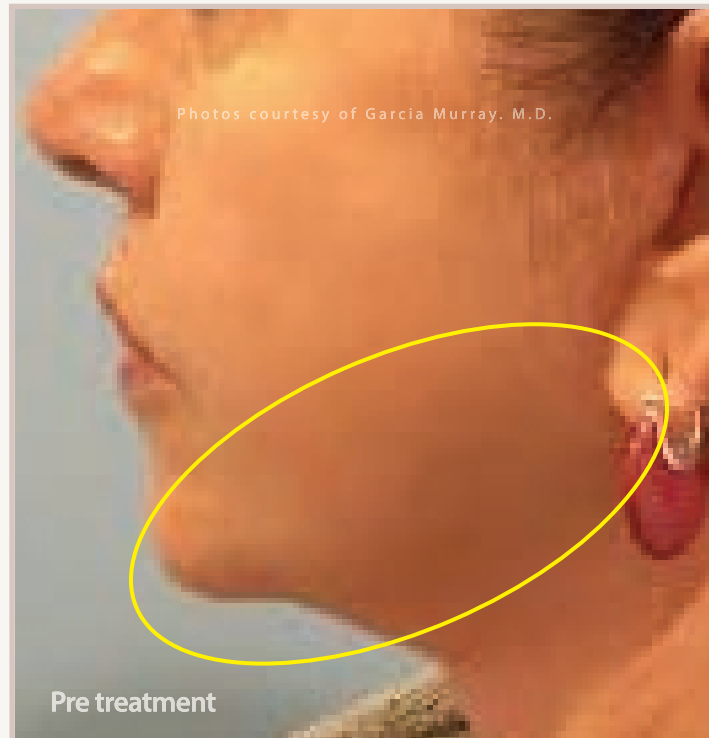
HIFU [Case 03.]

HIFU H 4.5, 1.5 Spacing, 1.1~1.3J, 230 Lines • HIFU H 3.0, 1.4 Spacing, 0.6~0.8J, 155 Lines
X 3 cycles



HIFU [Case 04.]

HIFU H 3.0, 0.8J HIFU H 4.5, 1.1J



HIFU [Case 04.]

HIFU H 3.0, 0.8J HIFU H 4.5, 1.1J

ULTRAcel

[Jawline]

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HIFU [Case 04.]

HIFU H 3.0, 0.8J HIFU H 4.5, 1.1J

ULTRAcel

[Arm]

Jeisys
Better You



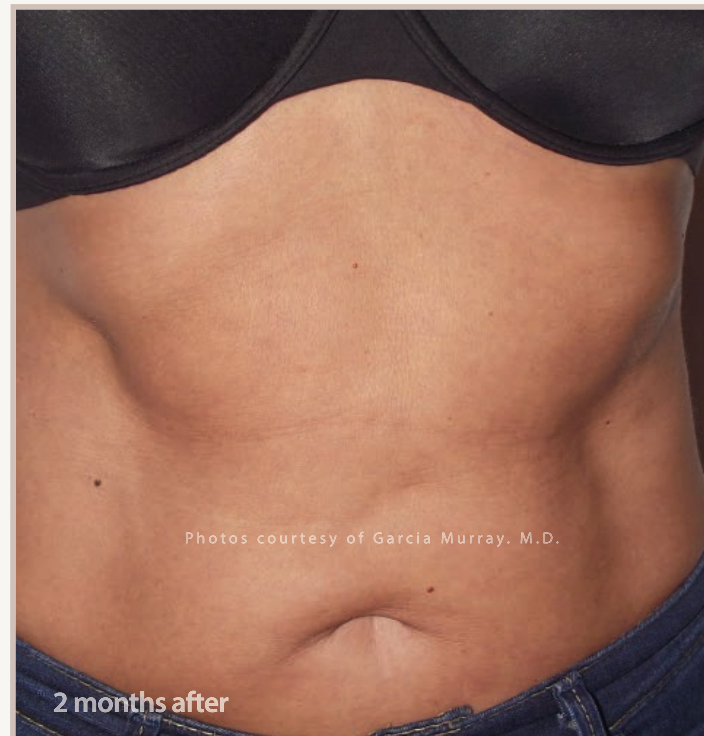
HIFU [Case 05.]

HIFU H 3.0, 0.8J HIFU H 4.5, 1.1J

ULTRAcel

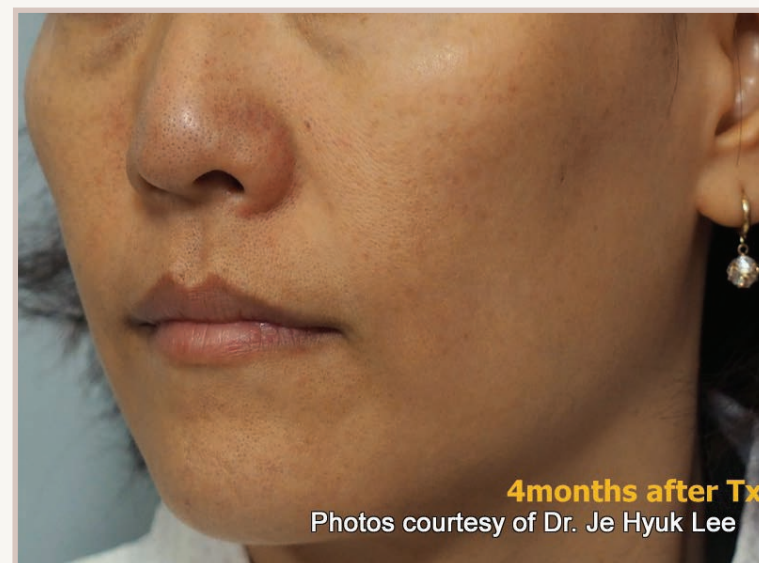
[Abdomen]

Jeisys
Better You



HIFU [Case 06.]

HIFU H 3.0, 0.8J HIFU H 4.5, 1.1J

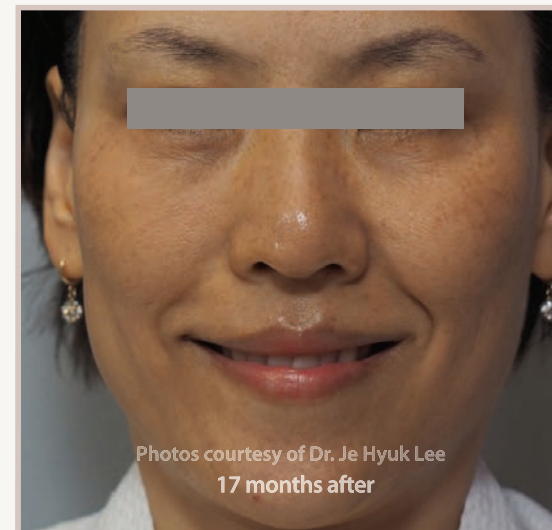
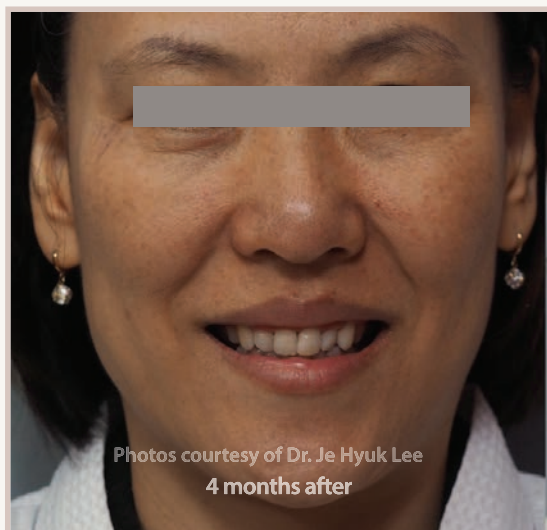
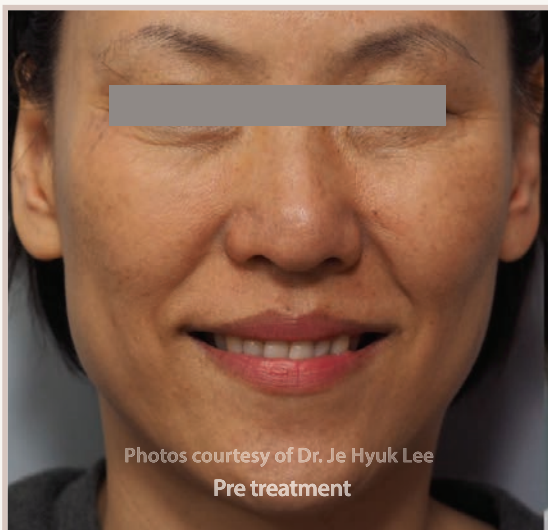


HIFU [Case 07.]

HIFU H 4.5, 1.5 Spacing, 1.1~1.3J, 230 Lines • HIFU H 3.0, 1.4 Spacing, 0.6~0.8J, 155 Lines
X 3 cycles

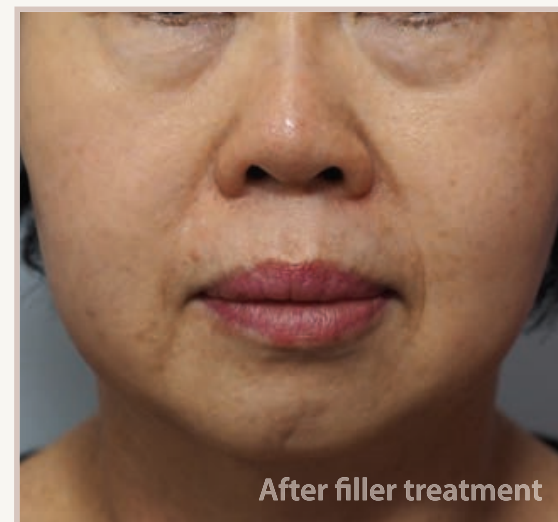
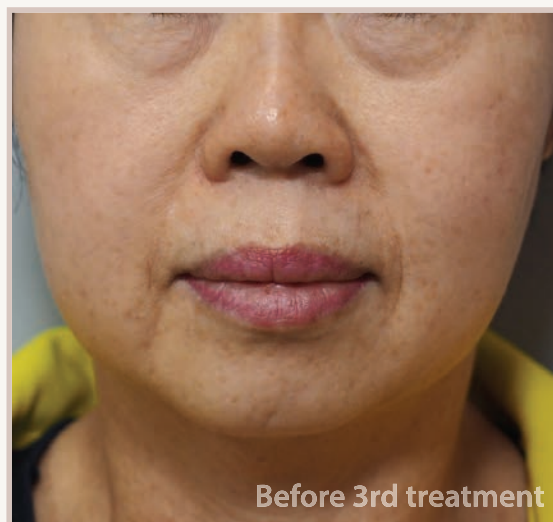
ULTRAcel
[Nasolabial folds]

Jeisys
Better You



HIFU [Case 07.]

FUS H 4.5, 1.5 Spacing, 1.1~1.3J, 230 Lines • FUS H 3.0, 1.4 Spacing, 0.6~0.8J, 155 Lines
X 3 cycles

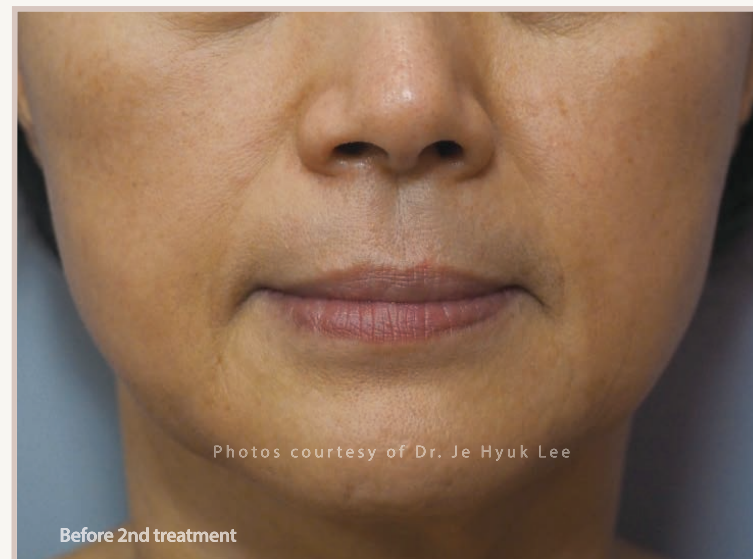


HIFU + Filler injection [Case 01.]

#1 : HIFU H 4.5, 1.5 Spacing, [full face] 1.1J, [neck] 0.7J HIFU H 3.0, 1.4 Spacing, [full face] 0.3~0.9J, Total 471 Lines

#3 : HIFU H 4.5, 1.5 Spacing, [full face] 1.3J HIFU H 3.0, 1.4 Spacing, [full face] 1.1J, [neck] 0.7J, Total 321 Lines

Restylane SQ 5ml : for Infraorbital hollowness, Nasolabial fold



HIFU + GFR [Case 01.]

#1 : HIFU H 4.5, 1.5 Spacing, [full face] 0.9~1.0J, [neck] 0.9J HIFU H 3.0, 1.4 Spacing, [full face] 0.3~0.8J, [neck] 0.7J Total 443 Lines 1 week after repeat #1 parameter,
Addition GRF Level 4, 2~3J [full face] 120 Shots



HIFU + FRM [Case 01.]

#1

HIFU H 4.5, 1.5 Spacing, 0.8J, full face 385 Lines • HIFU H 3.0, 1.4 Spacing, 0.8J, full face 205 Lines
FRM Bipolar, 16W, 60ms - 2.0mm, Scar/ 1 pass • FRM Bipolar, 18W, 100ms - 0.8mm, Scar/ 1 pass
Total 147 Shots

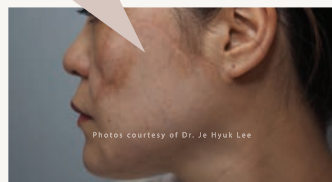
#3

HIFU H 4.5, 1.5 Spacing, 0.8~1.0J, full face 245 Lines • HIFU H 3.0, 1.4 Spacing, 0.7~1.0J, full face 245 Lines
FRM Bipolar, 12W, 60ms - 2.0mm, Scar/ 1 pass • FRM Bipolar, 16W, 80ms - 1.5mm, Scar/ 1 pass • FRM Bipolar, 16W, 80ms - 0.8mm, Scar/ 1 pass
Total 429 Shots



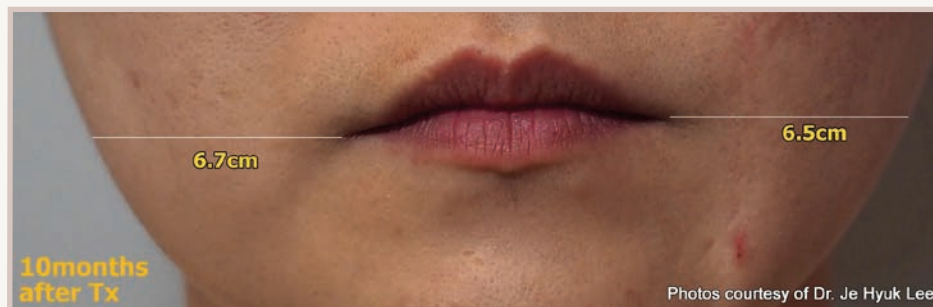
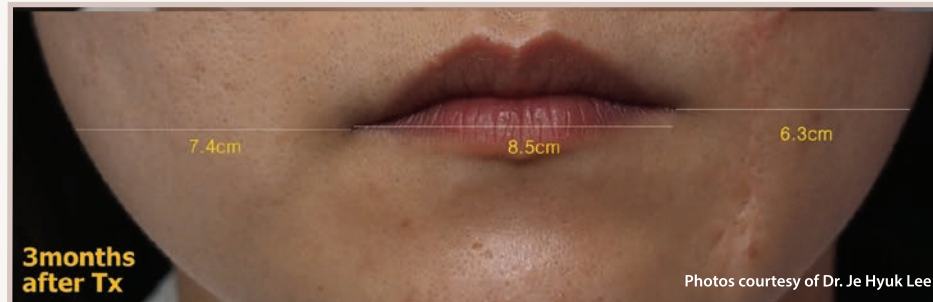
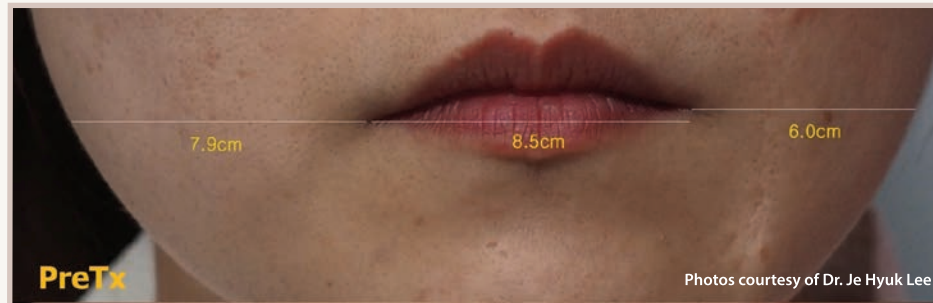
HIFU + FRM [Case 01.]

PLA inj Tx For Lt. Malar cheek & Mandible deficiency



HIFU + FRM [Case 01.]

PLA inj Tx For Lt. Malar cheek & Mandible deficiency



HIFU + FRM + Botox [Case 01.]

HIFU + FRM for Scar + Botulinum Toxin A inj. Tx for Rt. Masseter m. + PLA inj Tx For Lt. Malar cheek & Mandible deficiency



FRM [Case 01.]

Full face : Bipolar Level 3 - 0.8/1.5mm, 1/2 overlap





FRM [Case 03.]

1st pass: Monopolar/Bipolar Level 6 – 2.0mm / 2nd pass: Bipolar Level 5 – 1.5mm / 3rd pass: Bipolar Level 4 – 0.8mm

ULTRAcel

[Forehead, Cheek, Neck, Lips]

Jeisys
Better You



FRM [Case 04.]

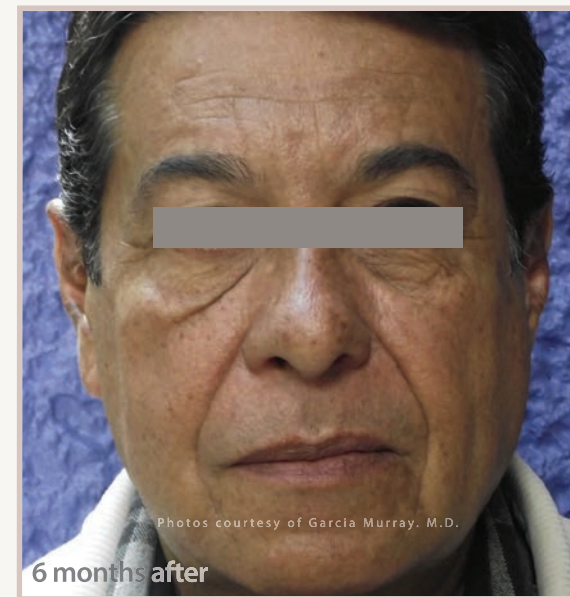
Cheek: Level 2 - 0.5mm (2 passes)

Neck: 1st: Level 2 - 0.5mm, 2nd: Level 3 - 0.8mm, 3rd: Level 4 - 1.5mm

Forehead: Level 2 - 0.5mm (2 passes)

Lower cheek: 1st: Level 2 - 0.5mm, 2nd and 3rd: Level 4 - 0.8mm

Lips: Level 2 - 0.5mm (2 passes)



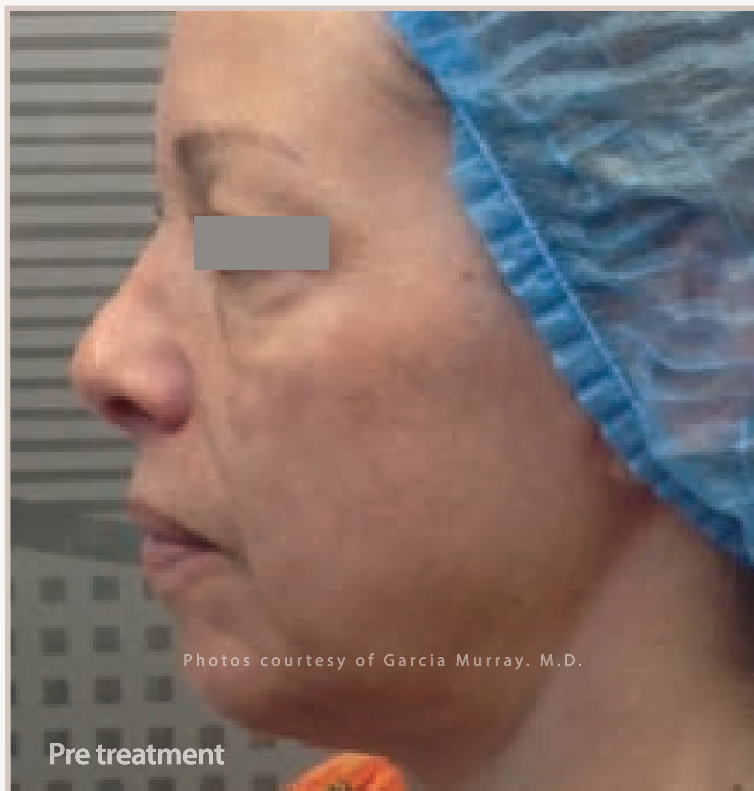
FRM [Case 05.]

1st pass: Monopolar/Bipolar Level 6 – 2.0mm / 2nd pass: Bipolar Level 5 – 1.5mm / 3rd pass: Bipolar Level 4 – 0.8mm



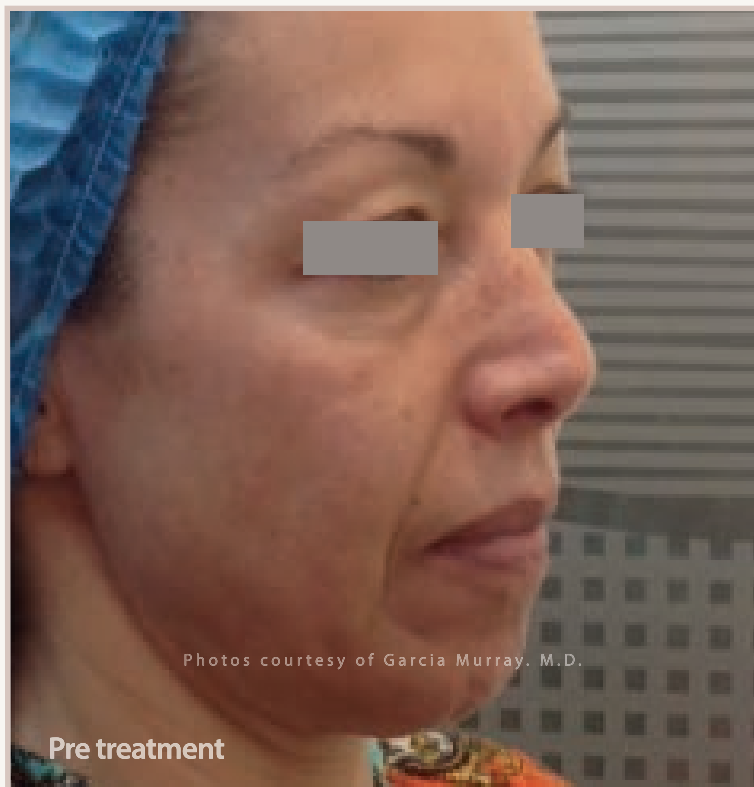
FRM [Case 06.]

1st pass: Monopolar Level 6 – 2.0mm / 2nd pass: Monopolar Level 5 – 1.5mm / 3rd pass: Monopolar/Bipolar Level 4 – 0.8mm
999 shoots



FRM [Case 07.]

1st pass: Monopolar/Bipolar Level 6 – 2.0mm / 2nd pass: Bipolar Level 5 – 1.5mm / 3rd pass: Bipolar Level 4 – 0.8mm



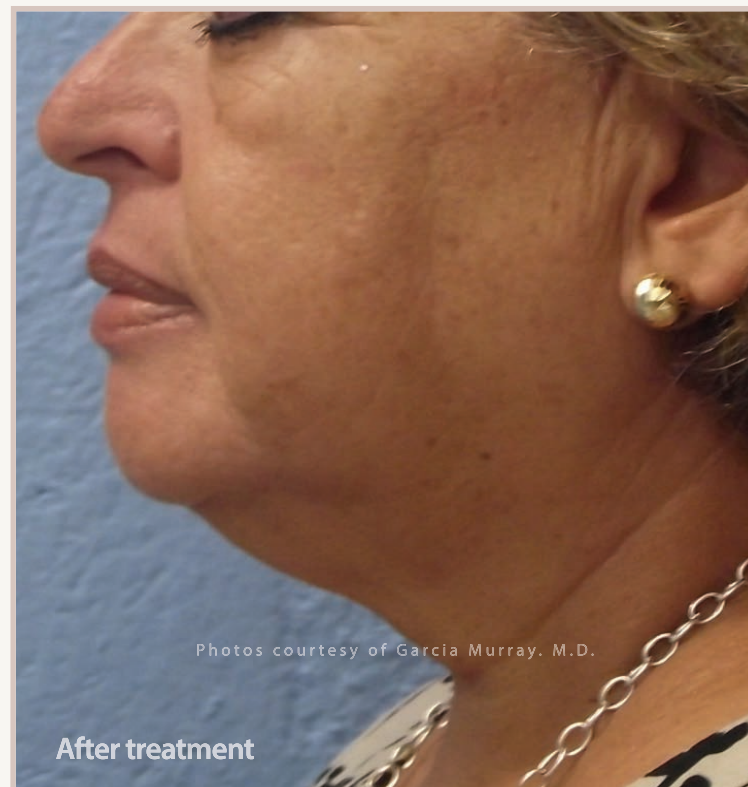
FRM [Case 07.]

1st pass: Monopolar/Bipolar Level 6 – 2.0mm / 2nd pass: Bipolar Level 5 – 1.5mm / 3rd pass: Bipolar Level 4 – 0.8mm



FRM [Case 08.]

1st pass: Monopolar Level 6 – 1.5mm / 2nd pass: Bipolar Level 4 – 0.8mm / 3rd pass: Bipolar Level 3 – 0.5mm



FRM [Case 08.]

1st pass: Monopolar Level 6 – 1.5mm / 2nd pass: Bipolar Level 4 – 0.8mm / 3rd pass: Bipolar Level 3 – 0.5mm

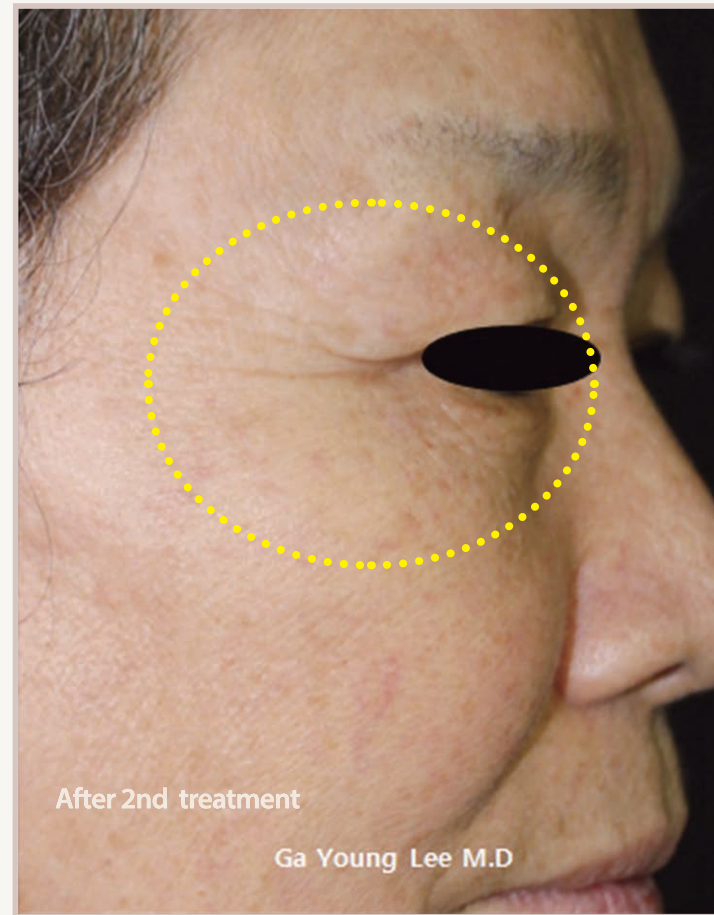
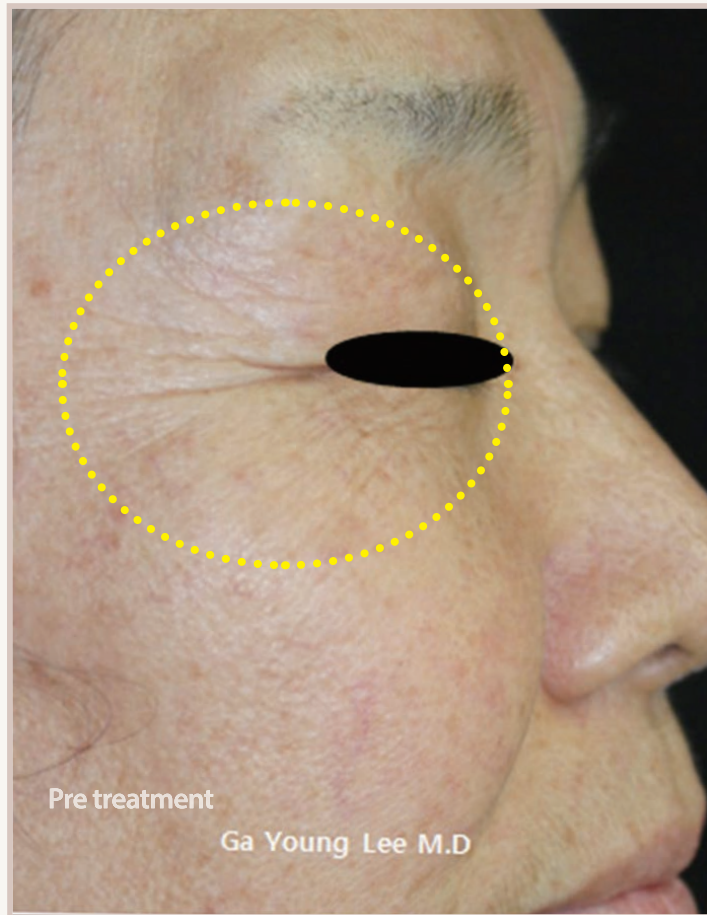


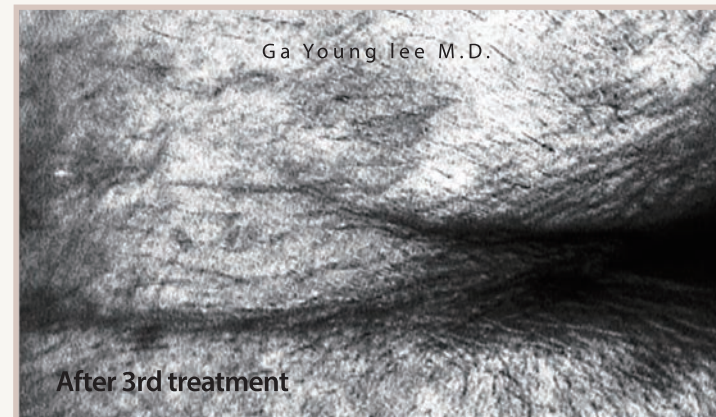
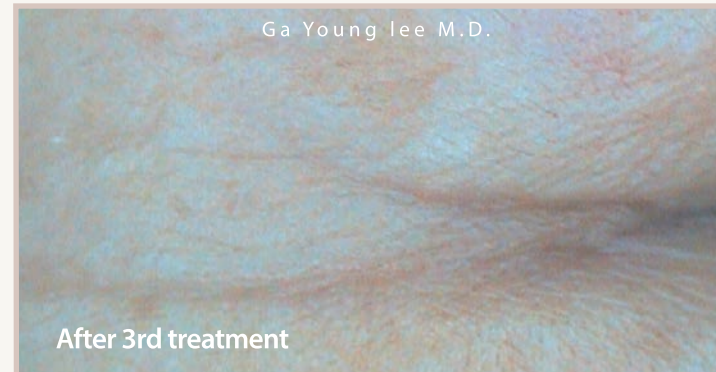


FRM (SRT™) [Case 02.]

SRT™ tip, 2wks interval (5 sessions) / Lev 5, 0.8mm Depth

Result : Improved acne & redness. Better skin tone. Tightened pores.

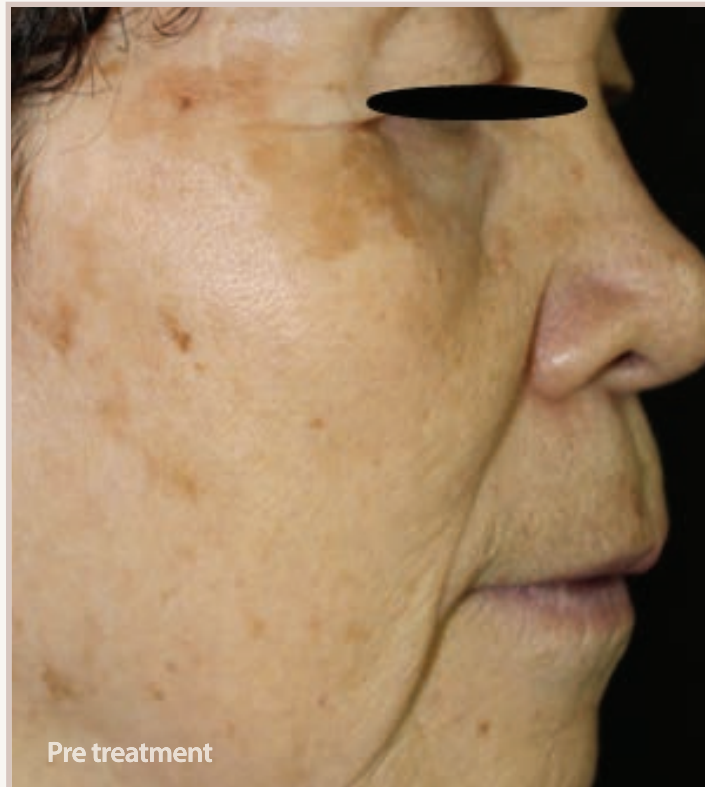




ULTRAcel

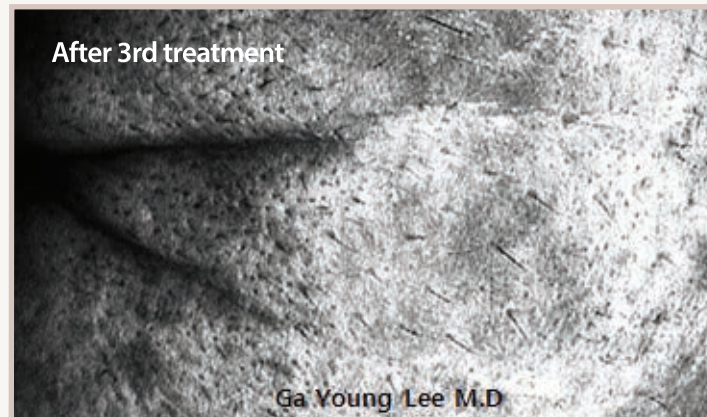
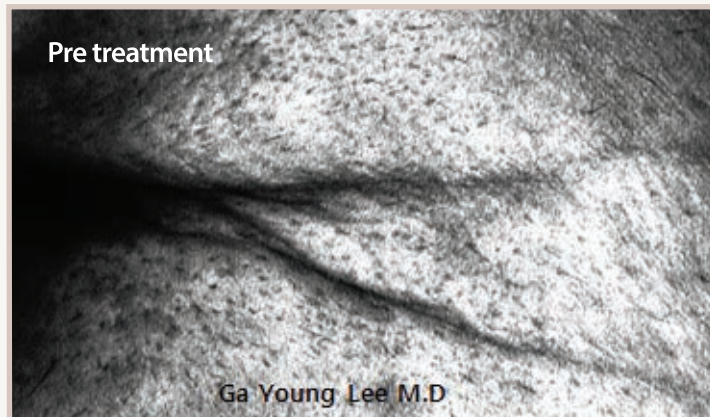
[Wrinkles, Marionett line]

Jeisys
Better You



GFR [Case 02.]

No data



ULTRAcel

[Tightening]

Jeisys
Better You



FRM + SRR [Case 01.]

1st : Bi 2~3 Level / 0.8mm 2nd : Mono 7Level / 0.8mm / 2pass 3rd : SRR 4~6 Level





What is the procedure to cope with sebum and skin pores in autumn season?

Dr. Hyeong-seok Ko

Academic Director of Korean Academy of Primary Care / Botox Filler Academy instructor of Korean Academy of Primary Care Director of Korean Society for Nanomedicine / Head of the Samsung Lohas Clinic (Jeonju, Korea)



Ms. Kim Ji-hyeon, an office worker (age 31, female, from Jeonju, Jeonbuk), is worried about skin trouble and sagging skin generated during the change of seasons in autumn. Even if she does cleansing after removing makeup, her skin looks saggier and is always oily due to increased sebum and noticeable pores.

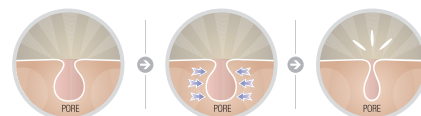
Although she regularly used peeling products which are effective for exfoliating and nose packs to remove

blackheads, she couldn't see any noticeable effects. So she visited a dermatology clinic and received skin counseling. The doctor advised her to continuously take care of her skin pores.

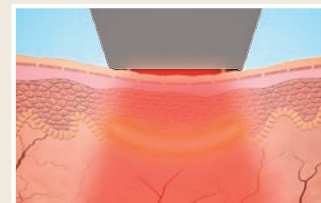
In particular, women aged around 30 should pay more attention to skin care because skin elasticity gets lower and pores expand due to increased sebum secretion. Some people wash their face too often for pore care. However, as frequent face washing can remove skin oil excessively and thus promote sebum secretion, it should be avoided.

Home care for noticeable pores and sagging skin has limitations for improvement. In these cases, a lifting procedure called ULTRAcel can be considered. In the ULTRAcel procedure, pores can be treated with a three-in-one lifting complex procedure device and ultrasonic waves can be intensively delivered to SMAS deep inside skin that ultrasonic waves cannot reach with existing lasers. Therefore, an excellent lifting effect can be expected.

"If sebum secretion is not controlled and symptoms are serious, it can be improved through fractional RF(GFR) treatment at a dermatology clinic" said Hyeong-seok Ko, director of Samsung Lohas in Jeonju. "Women who are worried about pores and sagging skin will obtain satisfactory results from the ULTRAcel lifting procedure."



"If sebum secretion is not controlled and symptoms are serious, it can be improved through fractional RF(GFR) treatment at a dermatology clinic"





Setting Back Skin Age with ULTRAcel

Dr. Lee Kyoung Rock

Adjunct professor of Hanyang University, Specialist / Regular member of Korean Society for Laser Medicine and Surgery
Regular member of Korean Academic of Aesthetic Medicine / Regular member of Korean Academic of Cosmetic Surgery / Head of the Verni clinic (Seoul, Korea)

Being noticed for having clear, and flawless skin can only bring happiness to a person. Then, what kind of skin would be referred to as being good? There can be various classifications, but largely there are four categories: skin complexion, blood vessels and rosacea, texture of the skin surface and skin elasticity.

Most Koreans focus on removing skin pigmentation such as dark patches and freckles and receive treatments focused on this area. That is probably why the most popular laser treatments known to Koreans are laser toning and IPL.

However, wrinkles and skin elasticity due to ageing are also elements that are as important to the skin as discoloration. No matter how fair and flawless your skin is, if it loses its firmness and forms wrinkles, it would be hard for people to claim that you have clear and good skin. Then, what can you do to remove wrinkles and improve skin elasticity? The answer is simple. You only need to set back your skin age. The main reason your skin loses its firmness and forms wrinkles as you age is because skin tissues such as collagen and elastin decrease due to ageing, which in turn reduces hydration. This aspect would be the starting point to select the option to set back the skin's age.

Setting Back Skin Age

Retaining skin hydration is more important than anything else. In order to retain moisture it is important to

continuously take in moisture such as by drinking water and supplementing moisture through vegetables and fruits which contain a lot of moisture, or by maintaining a certain level of humidity by using a humidifier or drying clothes indoors to make sure your home doesn't get too dry.

At the same time, when your skin is severely sagging, it would be advisable to recover the healthiness and firmness of the skin through treatments using high frequency or ultrasonic waves. ULTRAcel Lifting treatment is an effective lifting procedure using high frequency and ultrasonic waves to lift sagging contours, improve skin elasticity and tighten pores.

The advantage of ULTRAcel Lifting is that it brings significant improvement to skin elasticity and lifting (accompanying a little pain). Since high intensity focused ultrasound (HIFU) and two types of high frequency procedures (IntraGen and INTRAcel) are applied at the same time, it causes a dramatic improvement in skin elasticity by stimulating all the skin cells related to ageing from the skin surface to the superficial musculoaponeurotic system (SMAS).

President Lee Kyoung Rock of the Verni Clinic noted, "In order to maintain firm, healthy skin, it is important to receive meticulous and continuous treatment that is

suitable to each period. Like regular laser treatments received for skin discoloration and skin tone, if you receive ULTRAcel Lifting treatment regularly, it will be very effective to maintain rejuvenated skin and a flexible face contour."

01 Epidermis
Superficial RF Rejuvenation



02 Upper Dermis
Grid Fractional RF



03 Dermis
Fractional RF Microneedling



04 SMAS/Upper Dermis
High Intensity Focused Ultrasound





(BAHÇEŞEHİR)

Acibadem Bahcesehir Medical Center Offers “ULTRAcel Technology”

Dr. Arzu ASLAN

Acibadem Bahcesehir(BAHÇEŞEHİR) Medical Center in Turkey
Dermatology Specialist

Looking young and staying young is the biggest aspiration of people today. We do not hesitate to undergo operations; endure painful injections of various substances applied to our faces including Botox to achieve this goal.

However, with state-of-the-art technologies, staying young is not that painful anymore. ULTRAcel™ TECHNOLOGY allows access to all skin levels so that you can enjoy staying young with the collagen produced by your own skin.

Focused Ultrasound used for skin lifting without operation, golden needle treatment for the lower layers of the skin, three dimensional skin tightening treatment with radio frequency for the upper layers of the skin are combined with ULTRAcel™ METHOD.

1-FOCUSED ULTRASOUND TREATMENT

This treatment is applied by the contact between handpieces (similar to handpieces used for ultrasound imaging) and the skin with the help of ultrasound gel. This treatment reaches the lowest skin layers which cannot be accessed even by the laser devices and triggers collagen

production with the energy created by focused sound waves without causing any damage on the skin surface. The treatment enables the skin to get firmer, eliminates sagging and creates a lifted/tightened skin. Produced sound waves are focused on the lower layers of the skin, subcutaneous fat and the membranous muscle called SMAS without damaging the skin surface. The heat damage created by the sound waves results in stretching of the SMAS, slimming of the fat layer and a renewed collagen layer leading to a lifted and tightened skin. The procedure objective is to focus ultrasound heat 3-4.5 mm below the skin surface in order to create a lifting effect and cause the creation of a new collagen tissue. Skin surface is not affected by the application except for some temporary redness. Thus, daily life is not affected in any way. Treatment can be applied without using any anesthetics, and a light heating, burning and stinging sensation are the only post-procedure effects.

The real results appear in 90 days even though the changes start immediately after the application. By one more application after 1 month better results can be achieved. The effects of the treatment last for at least 1-1.5 years.

The treatment is used for correcting sagged cheeks, facial oval and jowl sagging, raising drooped eyebrows, treating wrinkles and loosening fat in the neck and décolletage

area.

2-GOLDEN NEEDLE TREATMENT (FRACTIONAL RADIO-FREQUENCY)

From surgery to skin rejuvenation procedures, radio-frequency is a commonly used treatment method in a wide range of applications. In the recent years the method is becoming increasingly popular for aesthetic purposes. Especially with fractional application, the skin risks are reduced and better results are obtained. Since the surface of the skin is not affected by this procedure, there is no need to stay away from sunlight after the application. There is no risk of PIH(Post Inflammatory Hyper-pigmentation). The procedure can be performed whole year around including summer months. The golden needle method is designed to apply the radio-frequency energy only from the distal end of the needle, not the entire length of the needle. Thanks to this system, the energy is applied to the required depth in the skin, and the skin surface and other areas are protected from the energy. Thus, while correction is obtained in the targeted tissue, surrounding tissues are not affected. 3-4 sessions are performed with 4-6 week intervals. Since a topical anesthetic cream is used prior to application no pain is felt.

Procedure is used for skin rejuvenation, wrinkle treatment, tightening pores, acne scars, operational scars, sagged neckline and treating the spots on the skin surface.

3-RADIO FREQUENCY 3 DIMENSIONAL TIGHTENING WITHOUT NEEDLE

This method is applied by contact between the radio-frequency energy handpiece (without a needle) and the top layer of the skin. The patient may feel a little warmth while this painless procedure is applied.

It is effective for treating hairline wrinkles in the skin, collagen structuring, skin tightening, increasing the skin elasticity and skin firming. 5-10 sessions are performed with 2 week intervals, and patients can return to their daily lives after the procedure.



Approach to Lifting Procedures using ULTRAcel

Dr. Je Hyuk Lee

Representative director of the Yonsei Bom Clinic
Member of the Korean Aesthetic Surgery and Laser Society / Member of Korean Medical Laser Association

“A satisfaction rate of over 90% was achieved through this customized-treatment, based on the status of the patients’ skin”

The ULTRAcel device, with its three functions: HIFU, FRM (Fractional RF Microneedle), and GFR (Grid RF), is a device much appreciated by doctors for providing lower prices and space efficiency. All layers of the skin can be addressed with these three functions, and through combination therapy clinical effects are enhanced. Also customized-treatment, based on skin types, is possible.

I personally achieve skin lifting effects through two HIFU procedures with a 4-week interval. A satisfaction rate of over 90% was achieved through this customized-treatment, based on the status of the patients’ skin. For example, if asymmetry of the face is severe due to sleeping habits, more shots are given to the larger half. Also, in regions that may have adverse effects due to heat damage to fat, fewer shots are used. In the chin or nasolabial fold regions where the effect can be maximized, it is recommended to use more shots in the vector direction.

I use the C cartridge with 25mm/1.5spacing/1.3J energy on the cheek area, and lower the energy to 0.8J on the forehead. With the B cartridge, 25mm/1.4spacing/1.2J

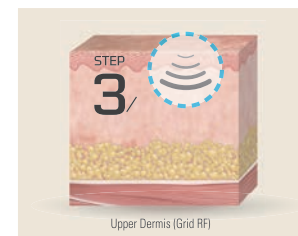
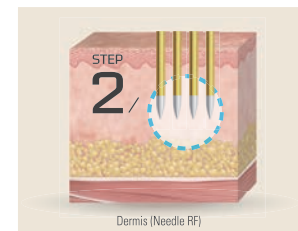
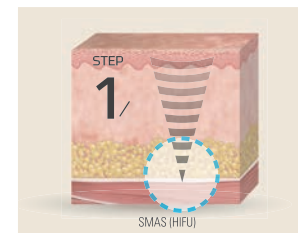
energy is used on the cheek and 0.7~0.9J energy is used on regions with thin skin such as the periorbital area or the neck.

If combination therapy is done using GFR and HIFU with a 2-week interval for 2 months for skin lifting, patient satisfaction is high 2 weeks after the first HIFU procedure, and the effect is maintained for 6~12 months, based on the patient status.

Before performing the HIFU procedure, patients who have undergone former Botox or filler procedures are informed that the effect of the filler may last for a shorter time. Also the fact that going on a diet, smoking, and dehydration are factors that may decrease the effect of HIFU.

The manufacturer of ULTRAcel, Jeisys Medical, has accepted my proposal that marking of a guideline in the center of the HIFU cartridge where ultrasound is produced is needed to perform safer procedures. They have shown an attentive listening attitude to customer needs by rapidly developing a cartridge with the guidelines marked.

With their thoughts for users and passion to upgrade devices, I believe this company will continue to prosper in the future.



Specifications

FRM	Applied Energy	6Mhz RF
	RF Type	Bipolar, Monopolar
	Maximum Output Power	40.5Watt
	Depth Control	0.5mm, 0.8mm, 1.5mm, 2.0mm
	Needle Type	FRM tip, SRR tip, SRT™ tip
GFR	Applied Energy	6MHz RF
	RF Type	Monopolar
	Maximum Output Power	136Watt
	Tip Type	15 x 15mm, 7 x 7mm
FUS	Frequency	7MHz
	Maximum Output Power	3J /cm ²
	Cartridge	UQ1.5 UQS2.0 UQ3.0 UQ4.5
	Spacing	1 ~ 2mm(0.1mm/step)
	Length	5 ~ 25mm(5mm/step)
Dimensions		357(W) X 408.3(D) X 982.8(H)mm
Weight		40.5Kg

ULTRAcel™

Jeisys
Better You

