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Picocare[®]

Clinical Paper Summary



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Clinical Paper Summary

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Arch Aesthetic Plast Surg, Vol. 24(1) 36-38, 2018

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1. Subsurface Fractional Ablative Resurfacing of a Periareolar Scar Using 1,064-nm Picosecond Laser with Micro-Lens Array

Micro-Lens Array가 결합된 1,064-nm Picosecond Laser를 이용한
유륜 주변 흉터의 표면 하 절개식 프락셔널 박피술

Arch Aesthetic Plast Surg, Vol. 24(1), 36-38, 2018

Subsurface Fractional Ablative Resurfacing of a Periareolar Scar Using 1,064-nm Picosecond Laser with Micro-Lens Array

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Although picosecond lasers were invented as an effective treatment of pigmented lesions, the Food and Drug Administration has also approved picosecond lasers with fractional mode for treating acne scars and wrinkles on the face. In this report, we introduce a noteworthy case in which we treated a periareolar scar using a 1,064-nm picosecond laser with fractional mode. A 32-year-old female patient who had a periareolar scar due to a breast reconstruction procedure with a latissimus dorsi myocutaneous flap hoped to remove the postoperative scar. We applied a 1,064-nm picosecond neodymium-doped yttrium aluminium garnet (Nd:YAG) laser with a micro-lens array (MLA) to the scar twice, with a 1-month interval between treatments. The scar improved after the second laser treatment and the patient was satisfied with the outcome. The treatment of a postoperative periareolar scar through subsurface fractional ablative resurfacing using a 1,064-nm Nd:YAG picosecond laser with a MLA produced significant improvements in the texture and aesthetic appearance of the scar, without any wound complications.

Subsurface Fractional Ablative Resurfacing of a Periareolar Scar Using 1,064-nm Picosecond Laser with Micro-Lens Array

[Picocare[®], Paper 1]
Arch Aesthetic Plast Surg, Vol. 24(1) 36-38, 2018

「Micro-Lens Array가 결합된 1,064-nm Picosecond Laser를 이용한
유륜 주변 흉터의 표면 하 절개식 프락셔널 박피술」

1. Key words

Cicatrix, Subsurface Fractional Resurfacing, 1,064-nm Picosecond Nd:YAG Laser, MLA*, Picocare[®]

2. Key points

- 1) A 32-year-old female patient with a **periareolar scar**
- 2) **1,064 nm picosecond Nd:YAG laser with MLA**
- 3) **After 2 sessions** of laser therapy alone
; subsurface fractional resurfacing
- 4) **At least 75% of the scars** were **significant improvements**
; in the **texture and aesthetic appearance of the scar**
- 5) **No severe complications**

*MLA: Micro-Lens Array

Subsurface Fractional Ablative Resurfacing of a Periareolar Scar Using 1,064-nm Picosecond Laser with Micro-Lens Array

「Micro-Lens Array가 결합된 1,064-nm Picosecond Laser를 이용한 유륜 주변 흉터의 표면 하 절개식 프락셔널 박피술」

3. Result

[Before]



[After 2 Tx]



4. Parameter

- 750 ps pulse duration
- 1-month interval
- 7 mm spot size
- 1.2 J/cm² fluence
- 1 Hz



Other Clinical Cases

| Picocare[®] - Scars

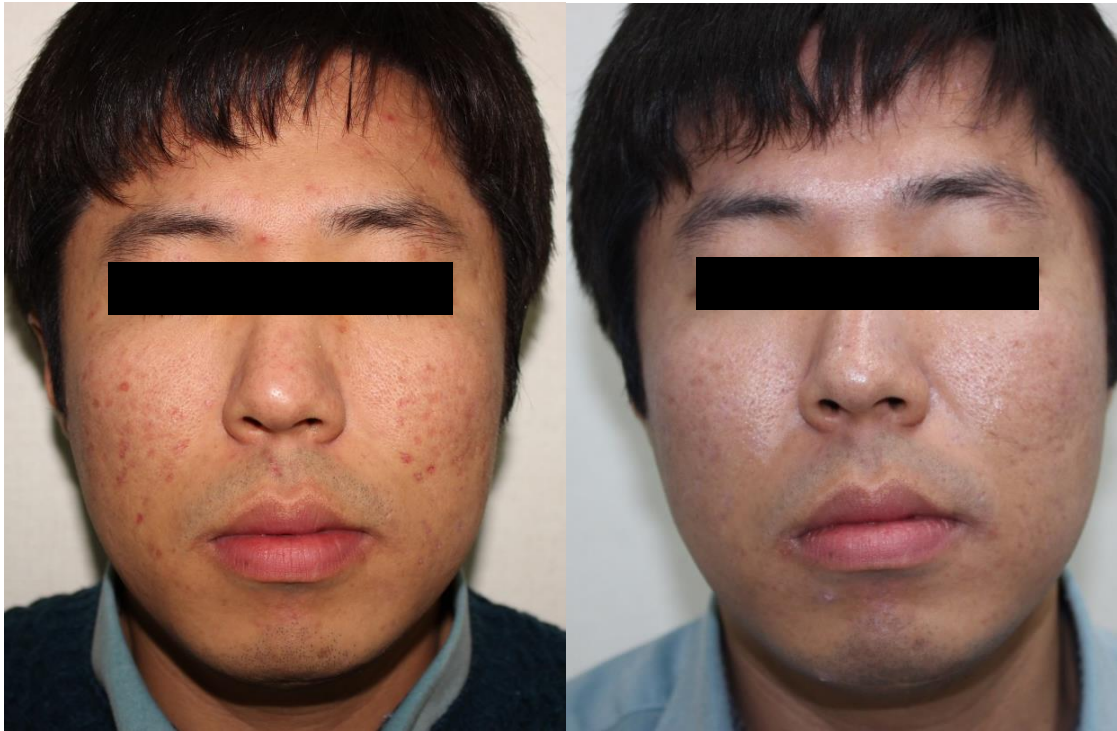
Picocare® - Acne Scar | Case 1

Other Clinical Cases

Result

[Before]

[After 2 Tx]



Photographs courtesy of BesTop Clinic, Korea

Parameter

Acne Scar

- HEXA MLA 1,064 nm
- 3 mm spot size
- 3.0 J/cm² fluence
- 1 Hz

Skin Rejuvenation

- HEXA MLA 1,064 nm
- 10 mm spot size
- 0.7 J/cm² fluence
- 8 Hz
- 3 passes

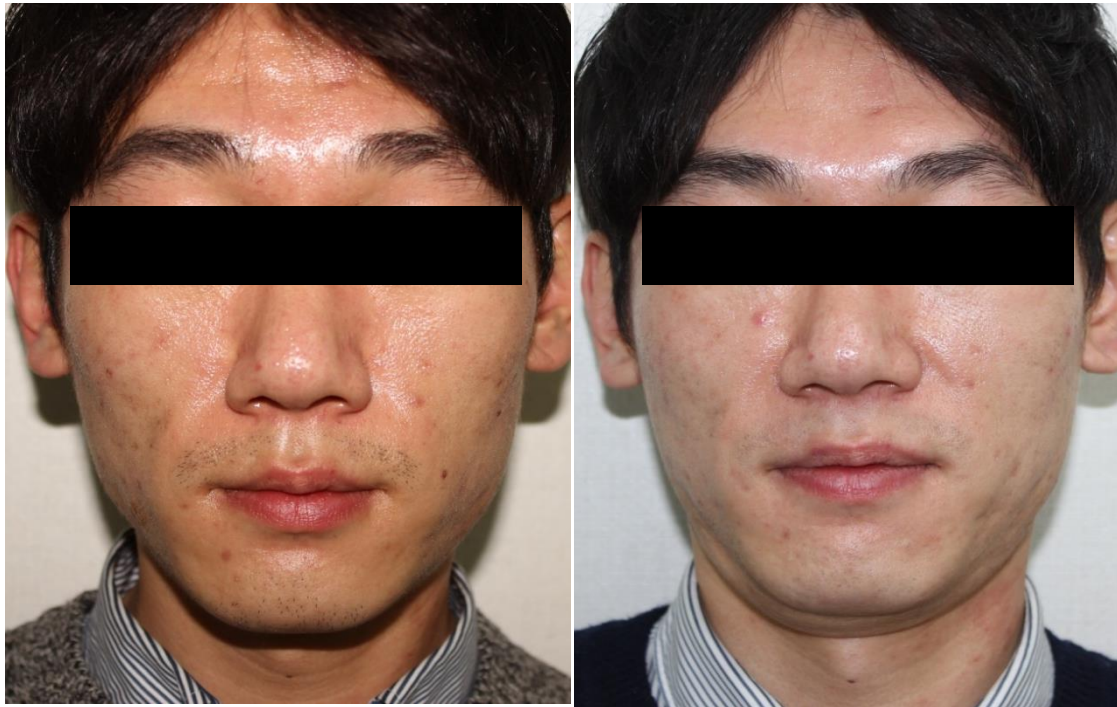
Picocare® - Acne Scar | Case 2

Other Clinical Cases

Result

[Before]

[After 2 Tx]



Photographs courtesy of BesTop Clinic, Korea

Parameter

Acne Scar

- HEXA MLA 1,064 nm
- 3 mm spot size
- 3.5 J/cm² fluence
- 2 Hz

Skin Rejuvenation

- HEXA MLA 1,064 nm
- 10 mm spot size
- 0.7 J/cm² fluence
- 8 Hz
- 3 passes

Picocare® - Atrophic Scar | Case 1

Other Clinical Cases

Result

[Before]



[After 1 Tx]



Photographs courtesy of Wid Win Dermatology, Korea

Parameter

- HEXA MLA 1,064 nm
- 3 mm spot size
- 3.5 J/cm² fluence
- 2 Hz

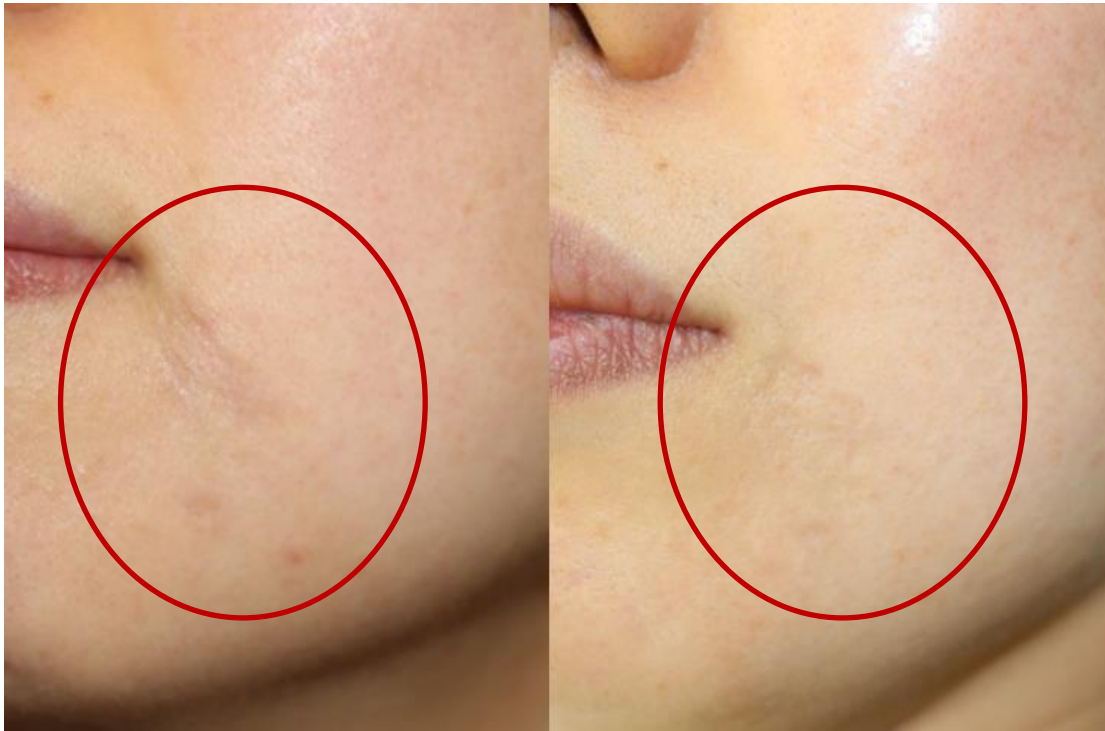
Picocare® - Atrophic Scar | Case 2

Other Clinical Cases

Result

[Before]

[After 1 Tx]



Photographs courtesy of Wid Win Dermatology, Korea

Parameter

- **HEXA MLA 1,064 nm**
- **3 mm spot size**
- **3.5 J/cm² fluence**
- **2 Hz**



Other Clinical Cases

| Picocare[®] - Benign Epidermal Pigmentation

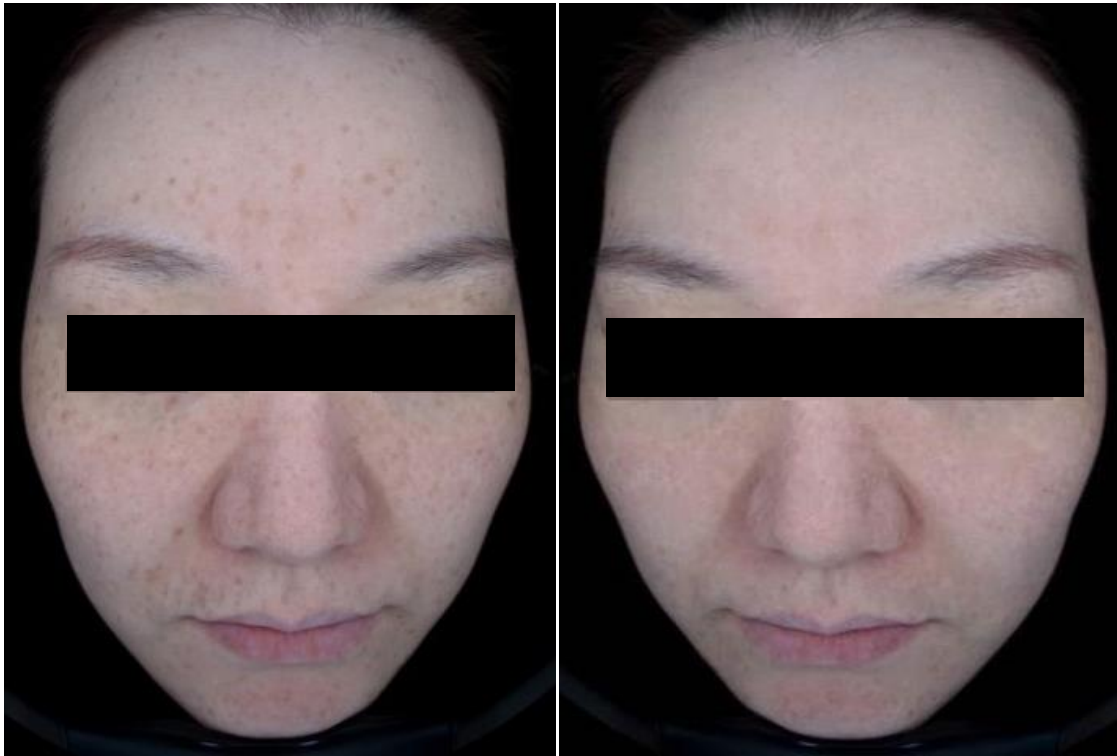
Picocare® - Freckles | Case 1

Other Clinical Cases

Result

{ Before }

{ After 2 Tx }



Photographs courtesy of S&U Dermatology, Korea

Parameter

Pigmented Lesion

- L532nm
- 3 mm spot size
- 0.3 J/cm² fluence
- 2 Hz

Skin Rejuvenation

- Pico L Toning (Collimation H/P)
- 1,064 nm
- 7 mm spot size
- 0.6 J/cm² fluence
- 10 Hz
- 2,500 pulses

Picocare® - Lentigines | Case 1

Other Clinical Cases

Result

[Before]

[After 1 Tx]



Photographs courtesy of Widwin Dermatology, Korea

Parameter

- L532 nm
- 4 mm spot size
- 0.4 J/cm² fluence
- 2 Hz

Picocare® - Lentigines | Case 2

Other Clinical Cases

Result

[Before]

[After 1 Tx]



Photographs courtesy of W Dermatology, Korea

Parameter

- L532 nm
- 3 mm spot size
- 0.5 J/cm² fluence
- 2 Hz

Picocare® - Café-Au-Lait | Case 1-1

Other Clinical Cases

Result

[Before]

[After 6 Tx]



Photographs courtesy of Dr. Kim's Skin & Laser Dermatology, Korea

Parameter

- HEXA MLA 1,064nm
- 10 mm spot size
- 0.8 J/cm² fluence
- 3 Hz

Picocare® - Café-Au-Lait | Case 1-2

Other Clinical Cases

Result

[Before]

[After 6 Tx]



Photographs courtesy of Dr. Kim's Skin & Laser Dermatology, Korea

Parameter

- HEXA MLA 1,064nm
- 10 mm spot size
- 0.8 J/cm² fluence
- 3 Hz



Other Clinical Cases

| Picocare[®] - Dermal Pigmentation

Picocare® - ABNOM | Case 1

Other Clinical Cases

Result

[Before]

[After 3 Tx]



Photographs courtesy of Dr. Kim's Skin & Laser Dermatology, Korea

Parameter

Pigmented Lesion

- 1,064nm
- 4 mm spot size
- 2.0 J/cm² fluence
- 2 Hz

Skin Rejuvenation

- HEXA MLA 1,064 nm
- 10 mm spot size
- 0.5 J/cm² fluence
- 8 Hz
- 4 passes

Picocare® - ABNOM | Case 2-1

Other Clinical Cases

Result

[Before]

[After 2 Tx]



Photographs courtesy of Dr. Kim's Skin & Laser Dermatology, Korea

Parameter

Pigmented Lesion

- 1,064nm
- 3 mm spot size
- 2.0 J/cm² fluence
- 2 Hz

Skin Rejuvenation

- HEXA MLA 1,064 nm
- 10 mm spot size
- 0.5 J/cm² fluence
- 8 Hz
- 4 passes

Picocare® - ABNOM | Case 2-2

Other Clinical Cases

Result

[Before]

[After 2 Tx]



Photographs courtesy of Dr. Kim's Skin & Laser Dermatology, Korea

Parameter

Pigmented Lesion

- 1,064nm
- 3 mm spot size
- 2.0 J/cm² fluence
- 2 Hz

Skin Rejuvenation

- HEXA MLA 1,064 nm
- 10 mm spot size
- 0.5 J/cm² fluence
- 8 Hz
- 4 passes

Picocare® - PIH | Case 1

Other Clinical Cases

Result

[Before]

[After]



Photographs courtesy of Sky & Laser Dermatology, Korea

Parameter

- 1,064nm
- 6 mm spot size
- 0.9 J/cm² fluence
- 10 Hz



Other Clinical Cases

| Picocare[®] - Melasma

Picocare® - Melasma | Case 1

Other Clinical Cases

Result

[Before]

[After 1 Tx]



Photographs courtesy of S&U & Laser Dermatology, Korea

Parameter

- 1,064nm
- 10 mm spot size
- 0.8 J/cm² fluence
- 10 Hz
- 2,500 pulses

Picocare® - Melasma | Case 2

Other Clinical Cases

Result

[Before]

[After 1 Tx]



Photographs courtesy of S&U & Laser Dermatology, Korea

Parameter

- 1,064nm
- 7 mm spot size
- 0.6 J/cm² fluence
- 8-10 Hz
- 2,000 pulses

Picocare® - Melasma | Case 3

Other Clinical Cases

Result

{ Before }

{ After 1 Tx }



Photographs courtesy of SAS Dermatology, Korea

Parameter

- 1,064nm
- 7 mm spot size
- 0.6 J/cm² fluence
- 8-10 Hz
- 2,500 pulses

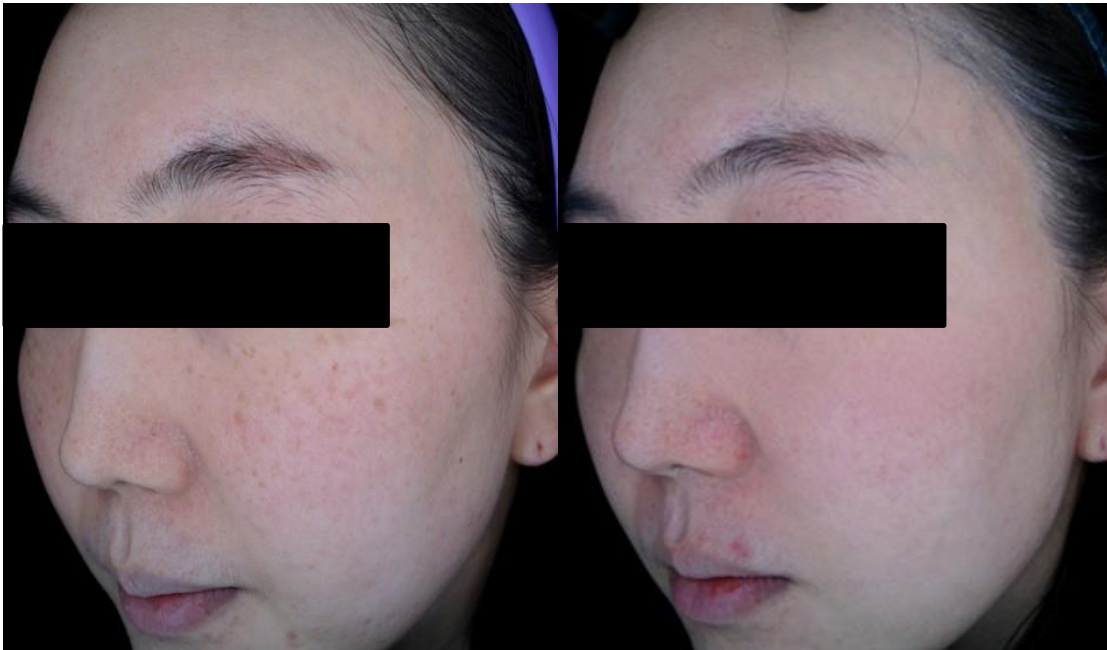
Picocare® - Melasma | Case 4

Other Clinical Cases

Result

[Before]

[After 2 Tx]



Photographs courtesy of SAS Dermatology, Korea

Parameter

- 1,064nm
- 7 mm spot size
- 0.6 J/cm² fluence
- 8-10 Hz
- 2,500 pulses

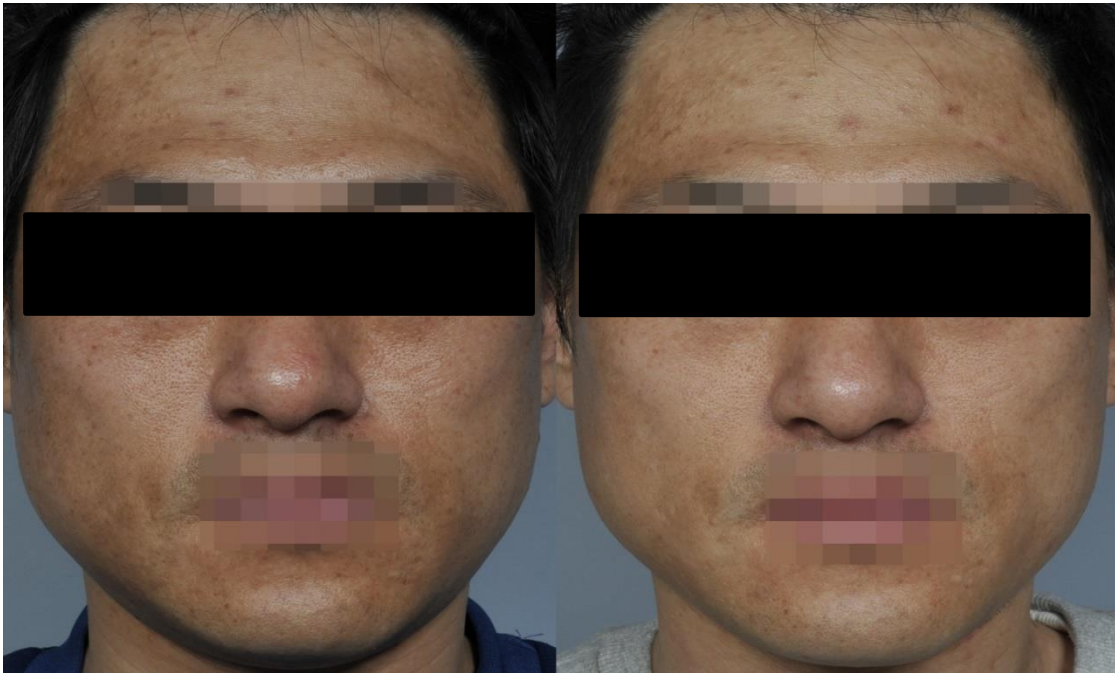
Picocare® - Melasma | Case 5-1

Other Clinical Cases

Result

[Before]

[After 8 Tx]



Photographs courtesy of Dr. Kim's Skin & Laser Dermatology, Korea

Parameter

- 1,064nm
- 10 mm spot size
- 0.6 J/cm² fluence
- 10 Hz
- 2,000 pulses

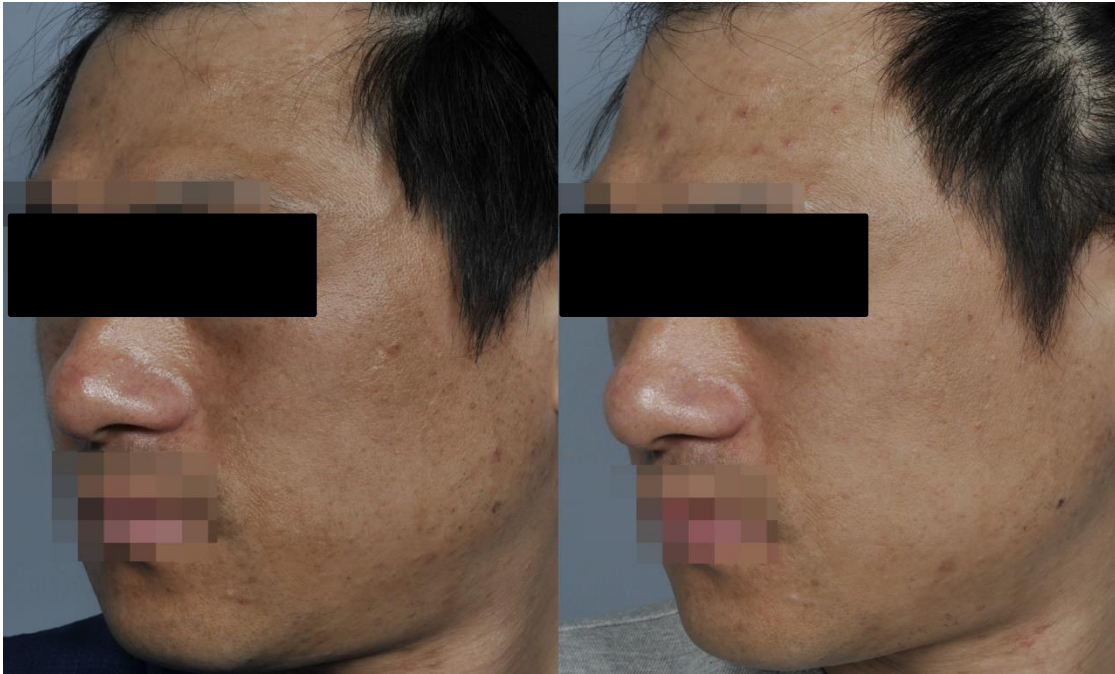
Picocare® - Melasma | Case 5-2

Other Clinical Cases

Result

[Before]

[After 8 Tx]



Photographs courtesy of Dr. Kim's Skin & Laser Dermatology, Korea

Parameter

- 1,064nm
- 10 mm spot size
- 0.6 J/cm² fluence
- 10 Hz
- 2,000 pulses

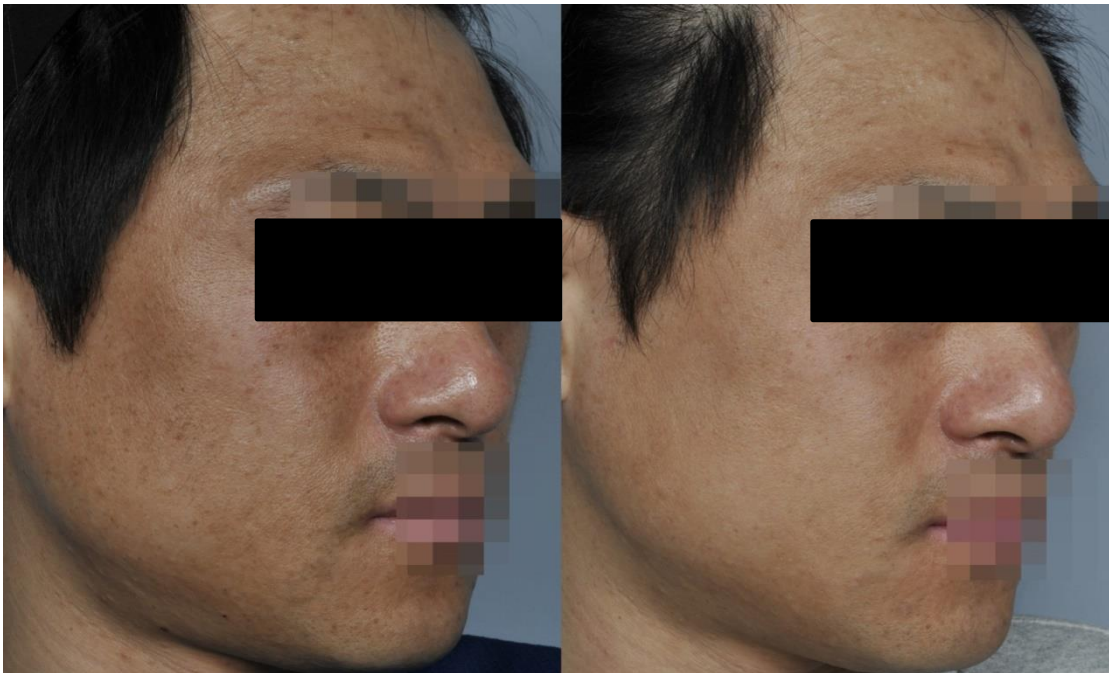
Picocare® - Melasma | Case 5-3

Other Clinical Cases

Result

[Before]

[After 8 Tx]



Photographs courtesy of Dr. Kim's Skin & Laser Dermatology, Korea

Parameter

- 1,064nm
- 10 mm spot size
- 0.6 J/cm² fluence
- 10 Hz
- 2,000 pulses



Other Clinical Cases

| Picocare[®] - Tattoo Removal

Picocare® - Tattoo | Case 1

Other Clinical Cases

Result

[Before]

[After 2 Tx]



Photographs courtesy of Wid Win Dermatology, Korea

Parameter

- 1,064nm
- 3 mm spot size
- 2.0 J/cm² fluence
- 2 Hz

Picocare® - Tattoo | Case 2

Other Clinical Cases

Result

[Before]

[After 2 Tx]



Photographs courtesy of Wid Win Dermatology, Korea

Parameter

- 1,064nm
- 3 mm spot size
- 2.0 J/cm² fluence
- 2 Hz

Picocare® - Tattoo | Case 3

Other Clinical Cases

Result

[Before]

[After 2 Tx]



Photographs courtesy of Wid Win Dermatology, Korea

Parameter

- 1,064nm
- 3 mm spot size
- 2.5 J/cm² fluence
- 2 Hz

Picocare® - Tattoo

Case 4

Other Clinical Cases

Result

[Before]

[After 8 Tx]



Photographs courtesy of W Dermatology, Korea

Parameter

- 1,064nm
- 4 mm spot size
- 2.5 J/cm² fluence
- 2 Hz



Other Clinical Cases

| Picocare[®] - Skin Rejuvenation

Picocare® - Large Pores | Case 1

Other Clinical Cases

Result

[Before]

[After 1 Tx]



Photographs courtesy of Wid Win Dermatology, Korea

Parameter

- HEXA MLA 1,064nm
- 8 mm spot size
- 0.5 J/cm² fluence
- 10 Hz
- 1,500 pulses

Picocare® - Large Pores & Acne Scars | Case 2-1

Other Clinical Cases

Result

[Before]

[After 2 Tx]



Photographs courtesy of BesTop Clinic, Korea

Parameter

Acne Scars

- HEXA MLA 1,064nm
- 3 mm spot size
- 3.0 J/cm² fluence
- 2 Hz

Skin Rejuvenation

- HEXA MLA 1,064 nm
- 10 mm spot size
- 0.7 J/cm² fluence
- 8 Hz
- 3 passes

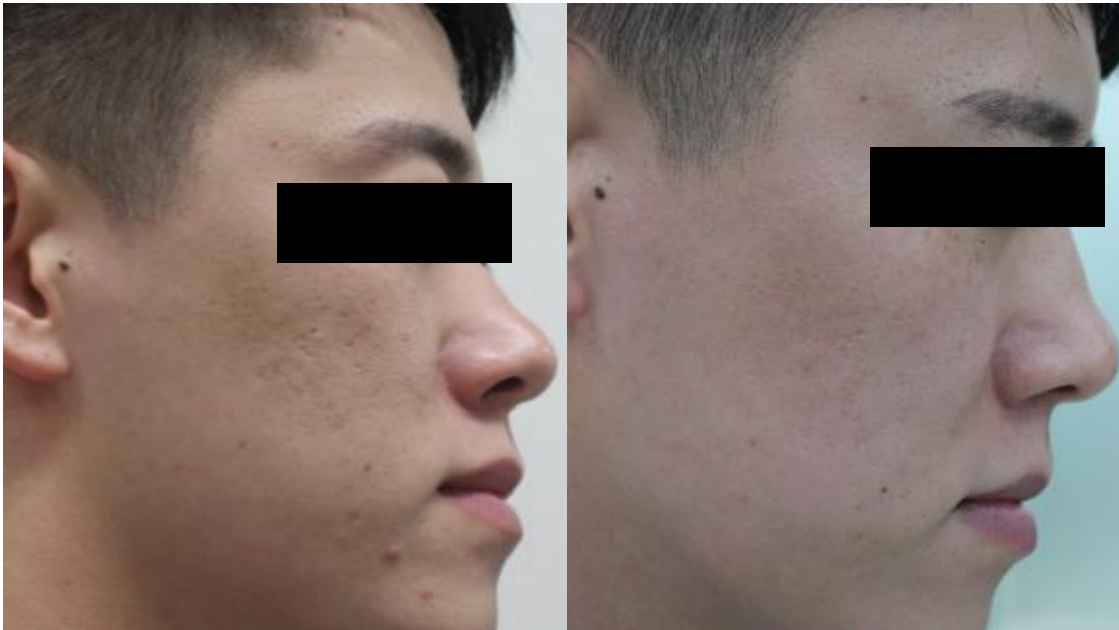
Picocare® - Large Pores & Acne Scars | Case 2-2

Other Clinical Cases

Result

[Before]

[After 2 Tx]



Photographs courtesy of BesTop Clinic, Korea

Parameter

Acne Scars

- HEXA MLA 1,064nm
- 3 mm spot size
- 3.0 J/cm² fluence
- 2 Hz

Skin Rejuvenation

- HEXA MLA 1,064 nm
- 10 mm spot size
- 0.7 J/cm² fluence
- 8 Hz
- 3 passes

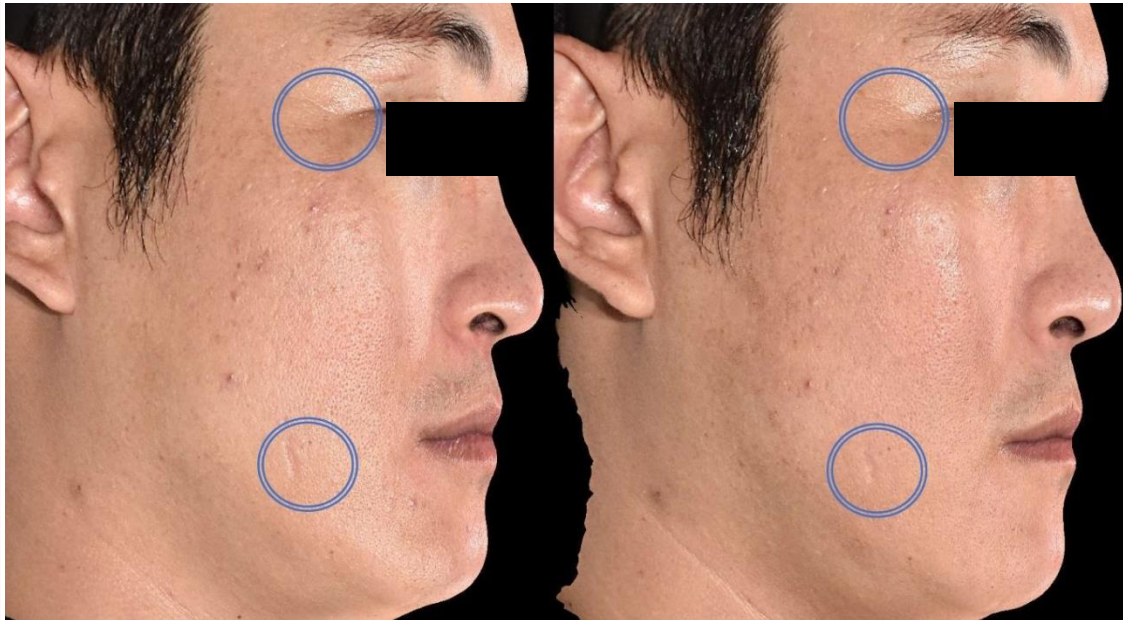
Picocare® - Fine Lines & Atrophic Scars | Case 1

Other Clinical Cases

Result

[Before]

[After 1 Tx]



Photographs courtesy of W Dermatology, Korea

Parameter

- HEXA MLA 1,064nm
- 7 mm spot size
- 0.8 J/cm² fluence
- 8 Hz
- 4 passes

PICO CARE

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