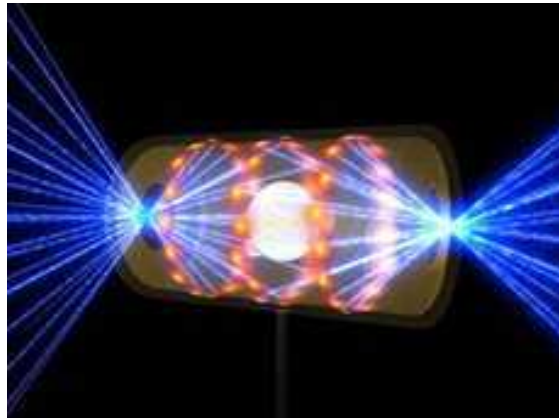


μ μ : μ - μ μ

μ : μ Lasers



∴

μ Lasers

<u>μ</u>		.
	:	4
I.	Laser	4
II.	Laser	6
III.	laser	7
IV.	laser μ	8
V.	lasers μ μ	8
VI.	lasers μ μ	8
VII.	lasers μ	9

μ laser:

RESURFACING	10
1. Laser resurfacing	10
2. Soft resurfacing	13
3. M μ μ laser	14
I. Fractional CO2 resurfacing	15
II. Erbium Fractional Laser	17
III. Fraxel laser skin treatment	17
.....	19
(, ,)	21
.....	23
, ,	24
.....	26
.....	28
.....	30
.....	34
.....	37
.....	40
.....	42
LASER	47
μ μ	51
.....	52
.....	53

25

resurfacing),

laser light amplification by stimulated emission of radiation.

laser.

laser . Albert Einstein 1917, lasers the quantum theory of radiation

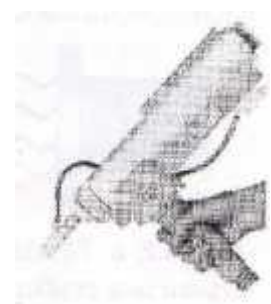
Theodore Maiman 40 1960 laser Maiman (Ruby laser).

O Leon Goldman, 1963 Nd:YAG. 1962 1964 Ruby laser 1959 Ruby laser, 1961 Argon laser

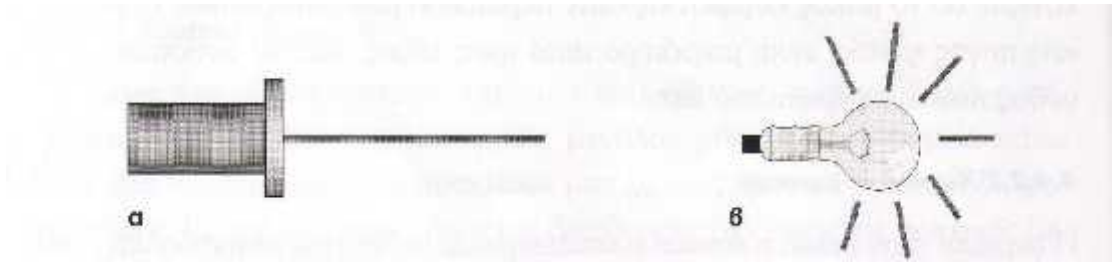
Anderson Parrish, 1983 lasers

I. Laser

1. Laser

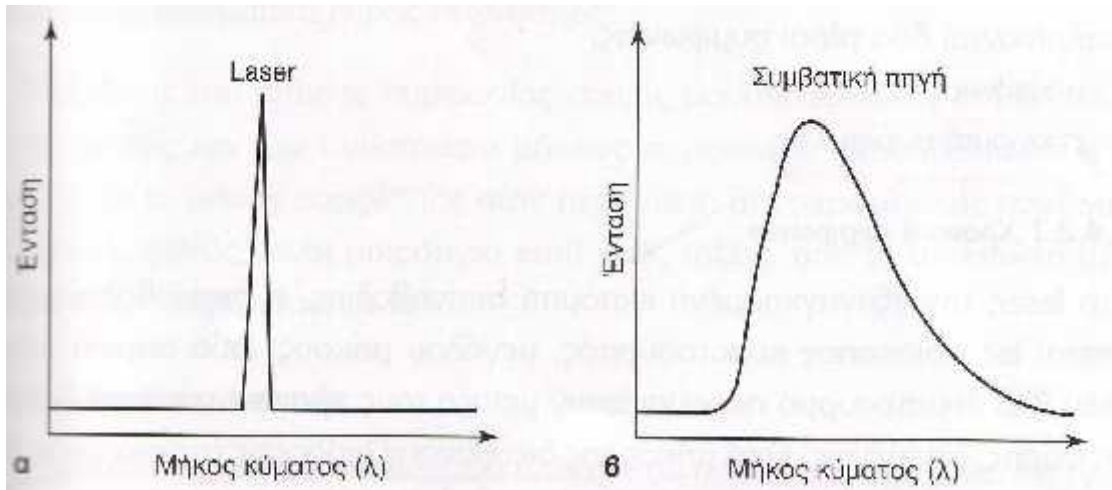


Εικόνα 1



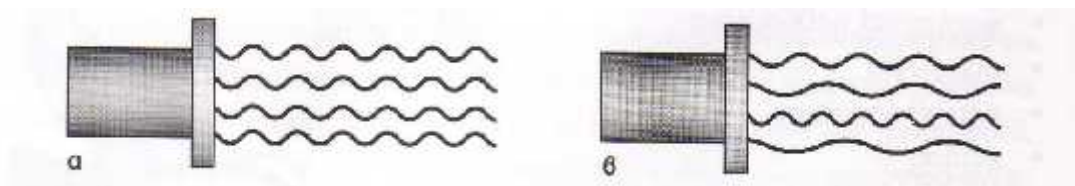
μ laser μ μ μ μ

2. μ Laser μ μ μ μ μ μ μ μ μ μ



μ laser μ μ μ μ μ μ μ

3. **(Coherence).** μ Laser μ μ μ μ μ μ μ μ μ μ



μ laser μ μ μ μ μ

4. μ μ μ μ Laser Laser
 μ Laser 360.000 μ
 μ Laser 1.000 μ !
 Laser, μ μ Laser μ
 μ μ (μ μ).

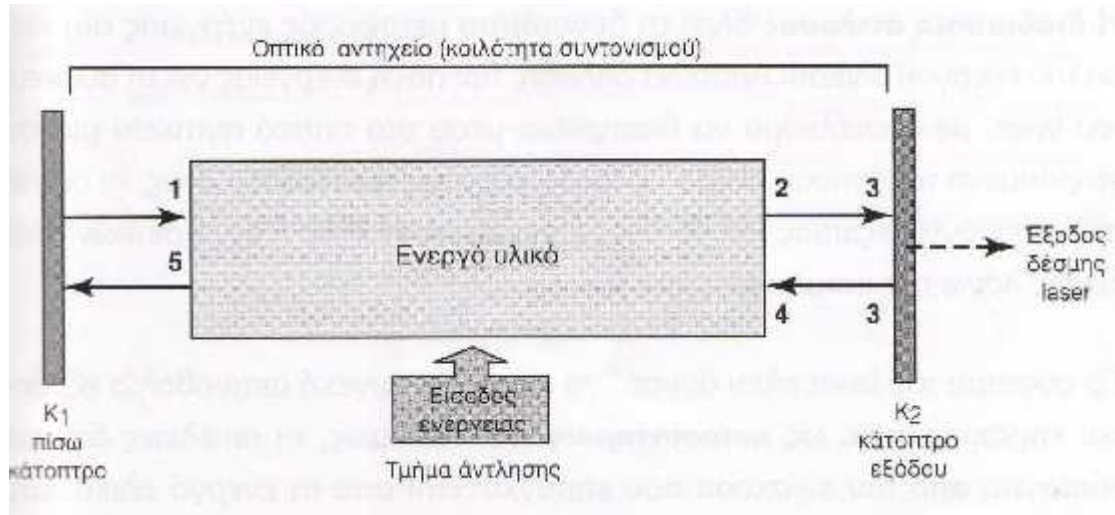
II. Laser

μ μ Laser -
 μ μ μ Laser μ
 μ μ , μ , μ μ
 .
 Laser μ :
 , μ , . . .

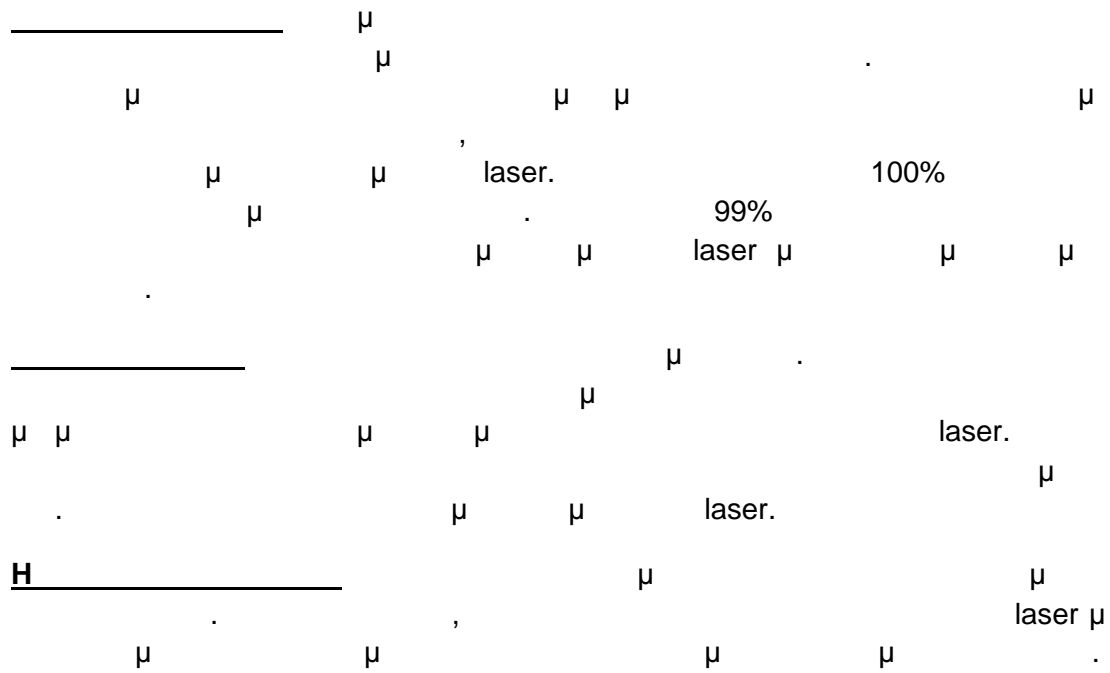
- Laser
 - μ μ μ Laser (nm)
 - μ Laser (Watt).
- μ , Laser μ
 :
 • μ / μ μ μ
 • μ , μ / . μ
- μ Laser μ μ
 Laser Laser.

III. laser

- lasers
- laser
- μ μ



1. μ laser



I. Fractional CO2 resurfacing

Fractional CO2 resurfacing is a type of laser treatment. It involves creating micro-ablative columns in the skin. This process stimulates the body's natural healing response, leading to collagen production and skin tightening. It is often used for wrinkles, scars, and skin texture improvement. The treatment is performed in a series of sessions, with results visible over time. Fractional CO2 resurfacing is considered a more aggressive form of laser treatment compared to non-ablative fractional lasers.

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fractional resurfacing
: botox, μ
laser , laser
μ)

μ
, μ , μ μ ,
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μ . (

PIGMENTATION



SCARS



PERIORAL WRINKLES



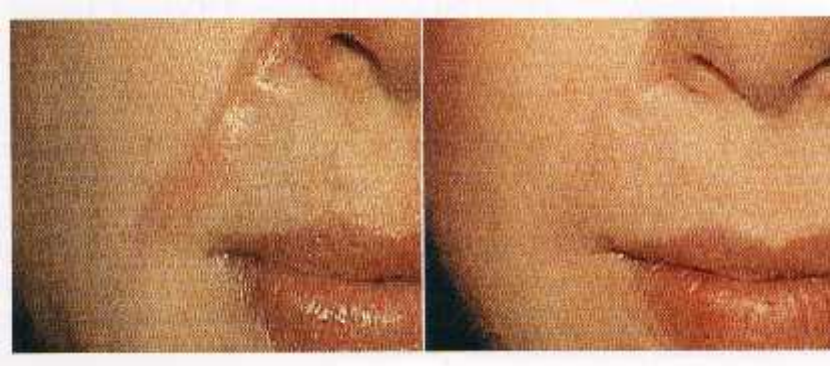
PERIORBITAL WRINKLES



Εικόνα 1



Εικόνα 1. Θεραπεία ουλών από ακμή



Εικόνα 2. Θεραπεία υπερτροφικής ουλής



Εικόνα 3. Θεραπεία χηλοειδούς ουλής

• μ : μ , μ .
 laser μ μ μ μ laser μ .
 μ laser, μ μ μ μ .
 μ , μ .
 μ μ Laser μ μ , μ μ ,
 μ μ μ μ .
 laser μ μ μ .
 μ laser μ μ μ 660nm, 820 nm
 870nm (HeNe, μ GaAs, GaAlAs Ga s/GaAlAs).
 μ
 μ , μ , μ
 μ μ , μ . μ μ
 μ μ . μ μ μ .
 μ μ μ μ μ μ μ μ .
 μ μ μ μ μ μ μ μ .
 μ μ μ μ μ μ μ μ .
 μ (accutane) ,



Εικόνα 1

laser

- μ μ μ μ μ
- μ μ μ μ μ μ μ AIDS
- μ μ μ μ
- μ μ μ μ
- μ μ μ
- μ μ
- solarium self-tannings.
- μ peelings.
- μ μ
- μ

μ μ .
 μ μ μ
 μ μ 90% μ μ .
 μ , μ μ μ .
 μ
 μ μ μ μ μ . 6 μ
 μ 50% μ 3 μ 3 μ . μ .



Εικόνα 1



Εικόνα 2

μ

μ .

μ

μ



Εικόνα 1



Εικόνα 2

Smoothshapes μ

μ

μ μ

, μ

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μ ,

, (laser – infrared),
, μ .

laser- 1.320 nm, 920 nm. laser 924 nm laser- 5 1.064 nm laser. 6 18 Watt, laser 40 Watt laser- laser- laser- laser-

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7. laser. http://www.mylook.gr/medical-and/skin/therapies/1/laser_gia_evriaggeies.html
8. μ . http://www.mylook.gr/medical-and/skin/therapies/1/birthmarks_laser.html
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11. . (2008). laser . http://www.iatronet.gr/article.asp?art_id=4664 17
12. Fractional laser skin resurfacing. http://www.laserlightclinic.gr/wwwgreek/services_sub.asp?mc_id=66&sc_id=80
13. . μ laser. <http://www.plastic-surgery.gr/CosmeticSurgery/26/index.el.html>
14. μ - . - . <http://www.chpavlidu.gr/el/services.php?id=129>
15. μ . ,, μ Fraxel laser. <http://www.gerebakanis.com/el/fraxel-laser.html>

E (<http://www.lifemag.gr/Default.aspx?lang=1&id=1115&t=6>)

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(<http://www.godaddy.pblogs.gr/%CF%80%CF%81%CE%B9%CE%BD%CE%BC%CE%B5%CF%84%CE%B1%CF%86%CF%89%CF%84%CE%BF%CE%B3%CF%81%CE%B1%CF%86%CE%B9%CE%B5%CF%83.aspx>)

1 .42(<http://www.laserremovalideas.com/wp-content/uploads/2011/06/Laser-Hair-Removal-Training.jpg>)

2 .46(<http://godady.pblogs.gr/tags/tatoo-tatoyaz-afairesi-gr.html>)