



OLIVE

Top Hair Removal
Diode Laser System



1.Olive Laser?

Using the 810nm pulse diode laser, OLIVE destroys the black melanin pigments in the hair follicle to remove hair. The beam of Olive provides identical amounts of energy for all pulses to reduce pain and protect surrounding skin tissues.



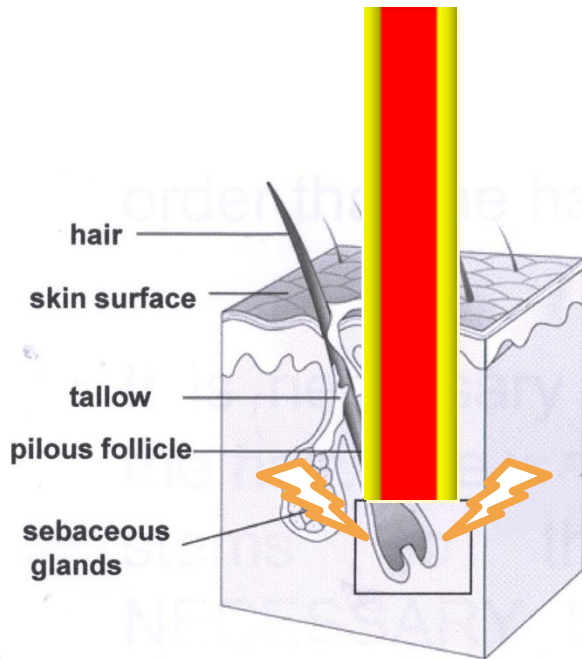
- Key Features -

- **Powerful 810nm diode laser**
- **Contact cooling**
- **Various pulse modes**
- **High absorption rate for the melanin tissue**
- **Comfortable and short time procedure**
- **Outstanding effects for skin tightening**



2. The mechanism of hair removal

The mechanism of laser epilation involves the absorption of laser light by the pigment melanin. The melanocytes of the hair bulb and the melanin in the hair shaft heat up due to exposure to the laser light, as a result of which the hair follicle is damaged.



Long pulses lead to heat diffusion from the bulb to the area of the bulge and the matrix cells, leading to destruction of the capacity for new hair follicle formation, and this leads to long-lasting results.

The higher the melanin absorption the better the effect, provided that the pulse duration is long enough and the penetration of light deep enough to reach the hair bulb. These aspects lead to a wavelength of about 810nm

3.Characteristics of Olive



A. Exclusive hair removal

Other normal laser has a lot of pain even though it use EMLA cream because it has too much strong energy laser. So it has some kinds of side effects as burn, pain, pigmentation and inflammation.

Unlike other devices, Olive laser can deliver the energy to the dermal layer safely until the hair follicle is destroyed without EMLA cream. Olive has reduced pains and increased efficacies.

B. Fast treatment

The frequency of the Olive laser is 15Hz with 10 times shot repetition in a second. So it can destroy the hair follicle quickly and safely. (10~20 mins' treatment)

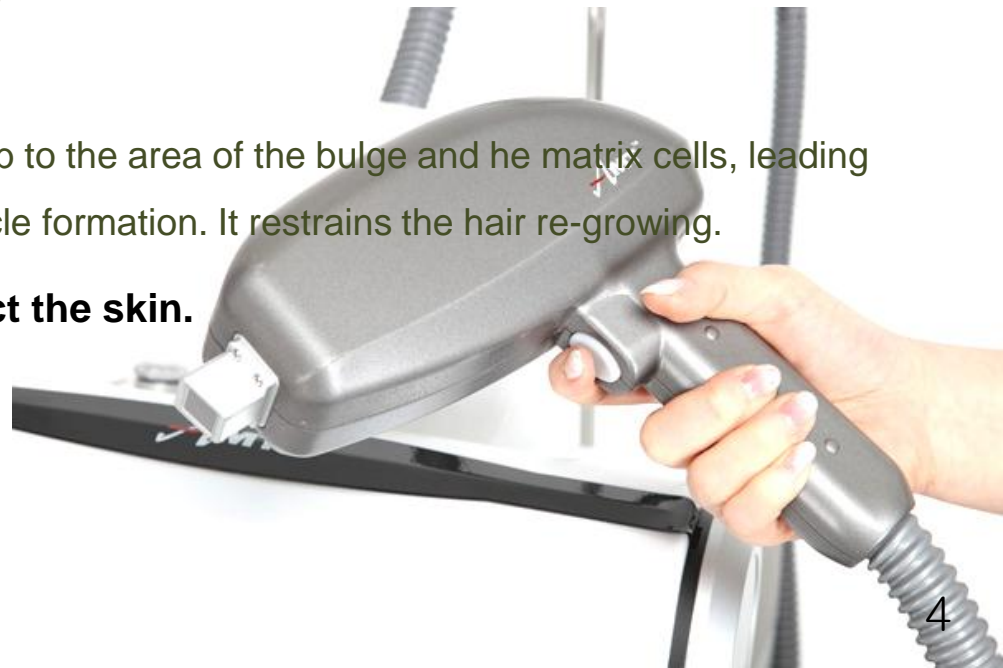
C. Hair restraint

Olive laser leads to heat diffusion from the bulb to the area of the bulge and he matrix cells, leading to destruction of the capacity for new hair follicle formation. It restrains the hair re-growing.

D. Power cooling on the handpiece to protect the skin.

E. No down time.

F. Barely side effects.



4. Before the treatment



NO 1

The darkening of the skin by sun tanning should be restored to normal color

NO 2

The effectiveness of laser treatment will not be as good as there will be no hair within the pore. It should wait until hair growing

NO 3

Should inform in advanced if the patient has sun irritable skin, pregnant, heart disease, or keloid and also younger than 8 years old child

5. Post operation symptoms of OLIVE



Cautions

- Hair removal treatment with several hair reduction treatments
- The cooling gel is a requirement for treatments
- Hair trimming with trimmer not shaving (leave hairs like 1~2mm)
- Treatment area may turn a little red for 1-2 days and may swell a little bit. They will go away naturally.
- You can shower and put on make-up from the day of the treatment.
- Please refrain from saunas, baths or swimming. This is to prevent folliculitis.
- Have to use a sunblock on the treatment area to prevent sun burning at least more than one week.
- There may be skin pigmentation after treatment, but it is a common symptom and will be disappeared after a few months.
- For men with thick hair, a small scab may appear at the spot but do not remove this scab forcefully.
- Hair that are left after the treatment will slowly fall out in the next 1~2 days.
- The next treatment will be after the hair growing back.
- Do not pull out or wax the hair until next treatment, but it is OK to shave.

Treatment photos



Armpits



before



after

Treatment photos



Leg



before



after

Treatment photos



Arm



before



after

Treatment photos



Forehead



before



after

Treatment photos



Cheek



before



after

6. Specification

Hair Removal

Skin Tightening

Acne Treatment

System Specifications

Laser Category	Diode Laser
Laser Source	Diode
Wavelength	810nm
Fluence	Up to 500J/cm ² (on General Mode) Up to 100J/cm ² (on User Mode)
Pulse Duration	10~100ms
Spot Size	12mm X10mm
Handpiece	Contact Cooling System Sapphire / Quartz
Repetition	Up to 15Hz
Display	Touch Screen LCD 7"
Electrical Requirement	220V
Dimensions	300mmX400mmX840mm
Weight	38kg



Socket handpiece type

Fixed handpiece type

7. Contact Information



Thank you

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