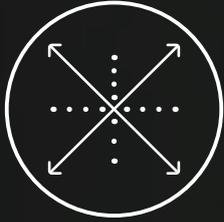


**Alma**  
Lasers™



ALMA-Q



**CARBON PEEL**

AESTHETIC  
PRECISION

BRING THE SKIN TREATMENT OF CELEBRITIES  
TO YOUR CLIENTS WITH ALMA-Q

**Carbon Peel is a non-invasive, completely painless laser-based skin treatment that quickly and effectively treats a variety of skin imperfections, with no side effects or patient downtime and with immediate results.**

Using formulated unique carbon liquid applied to the face, in conjunction with the powerful and versatile Q-Switched laser, the treatment exfoliates the skin, unclogs and tightens pores, reduces oil production and smooths rough and uneven skin texture.

With a unique **2-stage approach**, ALMA-Q maximizes the effectiveness of the carbon peel with two distinct modes of laser delivery, while a special applicator

allows physicians to treat the area from a distance, for **better visibility, quick** and a **clean procedure**.

The treatment is suitable for all skin types, and is particularly beneficial for patients with oily skin, blackheads, enlarged pores, dull skin, rough/uneven skin texture and acne.



## THE TECHNOLOGY

The Carbon Peel treatment is performed using the ALMA-Q platform. ALMA-Q is a high powered, triple mode Nd:YAG laser system featuring Q-Switched, Long Pulsed and Quasi-Long Pulsed modes of operation. It offers a variety of laser wavelengths, an extraordinarily short pulse duration of 7nsec and an array of applicators with varying spot sizes.

Using the 1064nm wavelength and the large 8mm spot size of the collimated applicator, ALMA-Q is an ideal modality for the laser-assisted carbon peel treatment.

The Carbon Peel treatment begins by applying a layer of activated carbon applied to the entire face. The black-colored cream serves as an exogenous artificial chromophore or photo-enhancer, to increase the laser's photo-thermal and photoacoustic effects on the treatment area.

Once the cream penetrates the pores, the laser is passed over the carbon layer which heats and destroys the carbon particles on the surface of the skin and within the pores, achieving a deep skin resurfacing effect and immediate skin smoothing.



## Mechanism of Action

The 1064nm laser-assisted carbon peeling protocol is performed in two stages with ALMA-Q's collimated applicator, using two distinct modes: Quasi-Long Pulse (QLP) and Q-Switched (QS).

### Two-stage approach

During the first stage, the Quasi-Long Pulse laser gently heats the water molecules in the cream, allowing the carbon to bond well to the skin and to the contents within the pores. At the second stage, the short pulse Q-Switched laser breaks up the carbon into fine particles. The 1064nm wavelength is highly absorbed by the particles, thereby destroying the carbon and removing the dead skin cells, oils and impurities that were bound to it.

### Thermal effects added value

In addition to deep exfoliation and skin resurfacing, the high-energy collimated laser beam creates controlled thermal damage to the epidermis-dermis interface. This thermal effect decreases pore size, shrinks the sebaceous glands resulting in reduced sebum production and stimulates collagen remodeling, reducing fine lines and the initial signs of aging.

20  
MINUTE

### Quick procedure, neat and clean

The collimated applicator delivers parallel beams of energy to the target tissue with minimal dispersion, regardless of distance from the skin.

This allows practitioners to administer treatment without direct contact with the skin and carbon cream, providing better visibility of the treatment area and a neat and clean procedure.

With an 8mm spot size and a high repetition rate of 10Hz, the collimated handpiece also offers both excellent coverage and high speed treatment. Treatments last no longer than 15 minutes, making the Carbon Peel an optimal "lunchtime procedure."



Beginning of Treatment



During Treatment



Post Treatment

*"The ALMA-Q Carbon Peel is one of the most highly effective methods for skin cleansing and skin rejuvenation that I have used in my clinic. The combination of laser technology with medical-grade carbon, achieves superior cleansing of the skin and visibly improved overall skin tone. The quick treatment time and immediate results make this a convenient, highly effective and recommended lunchtime procedure"*

*Dr. Acky Friedman, MD., Dermatologist, i-Skin Clinic*

## ALMA-Q'S CARBON PEEL BENEFITS



Enhanced & Immediate Results



Lunchtime Procedure



Neat & Clean



Non Invasive, Completely Painless



No Side Effects

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