

PRE-TREATMENT

- Remove make-up.
- Remove eyelash extensions and/or magnetic lashes.
- Remove contact lenses.
- Everyone in the treatment room should always wear eye protection.
- For the patient: protective opaque goggles must be placed over the eyes. Internal corneal shields must be applied when the procedure is performed inside the orbital rim. Since the Lumecca-I light is extremely bright, it is important to inform the patient about the brightness prior to the procedure.
- Proper skin assessment and skin typing must be performed prior to treatment.
- Before the treatment, perform a test spot. For skin types, IV-V wait 24-48 hours before proceeding with treatment on the entire area. Assess skin response. Slight erythema and/or edema are acceptable. *Do not treat skin type VI or freshly tanned skin with Lumecca-I.*
- Always start with a low setting level to assess patient tolerance to the treatment parameters and then gradually increase fluence.
- Apply a generous amount (2-3 mm) of clear ultrasound gel around the eye, cheek, side of the nose, and temple.

Lumecca- I Adaptor

- Attach the Lumecca-I small-spot adaptor to the 580 Lumecca Applicator. Figure 1.



Figure 1: **Attaching Lumecca-I Adaptor**

TYPICAL TREATMENT PARAMETERS

Skin Type	Treatment Area	Wavelength [nm]	Fluence [J/cm ²]	Pulse Width	Number of Passes	Cooling
I-V	Periorbital	580	8-15*	Long	1-2**	Strong

* *Smaller spot-size can lead to greater energy scattering, meaning less is absorbed by the target tissue. Adjust the fluence accordingly when needed.*

** *Please note that the adaptor does not have active cooling; therefore, more than 30 consecutive pulses should not be applied. Ensure the adaptor is not hot to the touch before continuing to the next set of pulses.*

TREATMENT PROCEDURE

- Apply pulses with slight overlap for each eye, starting from the inner canthus and ending in the temporal region below the lower eyelid. When ocular structures are protected by corneal shields, pulses can be applied to the upper eyelids.
- Apply the handpiece to the treated area, ensuring full contact with slight pressure. Avoid excessive pressure on the globe during treatment. Pull the skin taut over the bony areas when needed.
- 1-2 passes can be applied to ensure the full coverage of the treatment area is completed. Usually, an average of 30 pulses are sufficient to cover one side of the periorbital area.
- Keep a distance of a minimum of 4-5mm from the eyelash line to avoid damaging the hair follicle.

POST-TREATMENT

- Sun block should be used for at least two weeks following each treatment session.
- Moisturizer may be applied after each treatment.
- Make-up may be applied immediately after the treatment if the skin is intact.

TREATMENT SCHEDULE

- The number of treatments typically varies from 2-5 sessions every 2-4 weeks.