



Bimodal Facial Restoration™:

A Comprehensive Approach to Facial Skin Rejuvenation

Modern protocols for facial skin rejuvenation ideally include two modes of treatment. The first involves the improvement of epidermal tissue – often called ‘skin resurfacing’ – which can remove conditions such as sun damage, pigmented lesions, skin growths, wrinkles and acne scars. The second involves deep heating of tissue in the dermis, stimulating collagen remodeling and causing a skin tightening effect, while also removing rosacea and spider veins. If the right modalities are used, all of these things can be achieved, restoring the skin to a healthy, youthful appearance.

Some laser companies have tried to combine dermal and epidermal treatment in a single laser device, employing fractional patterns of energy delivery, but these devices have a major clinical limitation – their inability to independently set the level of energy delivered to dermis vs. epidermis. Also, these devices cannot provide pure non-ablative treatment with zero downtime, or full area resurfacing for maximum epidermal improvement in one session.

Aerolase has introduced a novel procedure called BFR™ (Bimodal Facial Restoration), involving a combination of 1064 (‘YAG’) and erbium energy. This involves the application of several passes to the facial skin with deep dermal-heating 1064nm energy – using the LightPod Neo with MicroPulse-1064™ technology – followed by one or more passes with the LightPod Era 2940nm for epidermal ablation. Treatment is very gentle and one or two sessions is typical, depending on the parameters used with each individual modality in each session. And because the Neo and Era can also be used independently, the practitioner has the flexibility to offer pure non-ablative treatment or skin resurfacing alone.

“The BFR procedure from Aerolase combines two gold-standard modalities - erbium and 1064 - delivered in pulse durations that are gentle on the skin yet clinically efficacious,” said David J.

Friedman, MD dermatologist and director of the Lase Ohr Dermatology & Cosmetic Laser Institute.

“With this approach, the practitioner has maximum flexibility to dial either modality up or down as needed. With the LightPod Neo, relatively low fluences are used to stimulate the collagen remodeling, moderate fluences for skin tightening, and high fluences for the treatment of broken capillaries and telangiectasias.

Similarly with the LightPod Era, ablation depth can be varied depending on the skin condition and targeted indications, with spot treatment also possible for acne scars and cutaneous raised benign growths. Using both lasers together for overall facial rejuvenation delivers impressive results.”



“Facial rejuvenation is an important component of my practice, and I routinely use my LightPod Neo and Era lasers for this purpose,” said Edmund Liu, M.D., a facial plastic surgeon in Verona, NJ.

“Having both lasers enables me to address this application in two distinct ways. Using the Neo alone, I can perform ‘photorejuvenation’, improving skin tone and texture with a tightening effect yet without any downtime whatsoever. With the Era alone, I can perform skin resurfacing to remove wrinkles, pigmented

LASER NOTEBOOK

Bimodal Facial Restoration

spots and acne scars with profound results in as little as one treatment session.

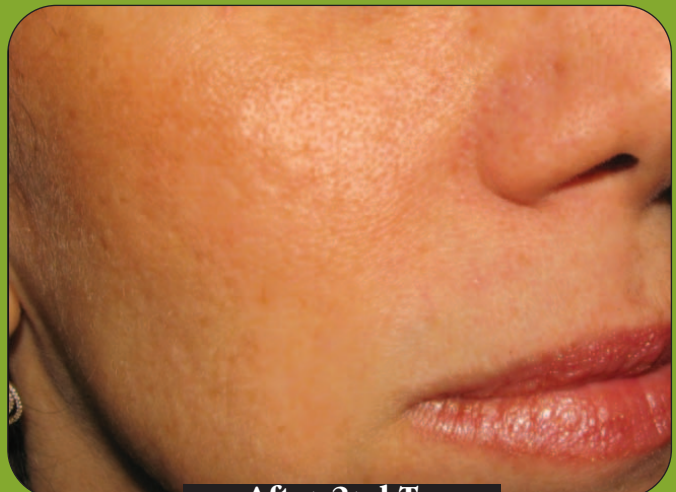
“A promising novel technique employs combining the Neo and Era to perform the Aerolase BFR treatment. This treatment can simultaneously stimulate deep collagen remodeling while dramatically improving the

appearance of the surface tissue. Furthermore, owning both LightPod lasers enables me to offer a full range of aesthetic laser services to include common treatments such as hair removal & PFB reduction, scar revision for redness reduction, vascular and pigmented lesion removal, and ablation of cutaneous lesions.”

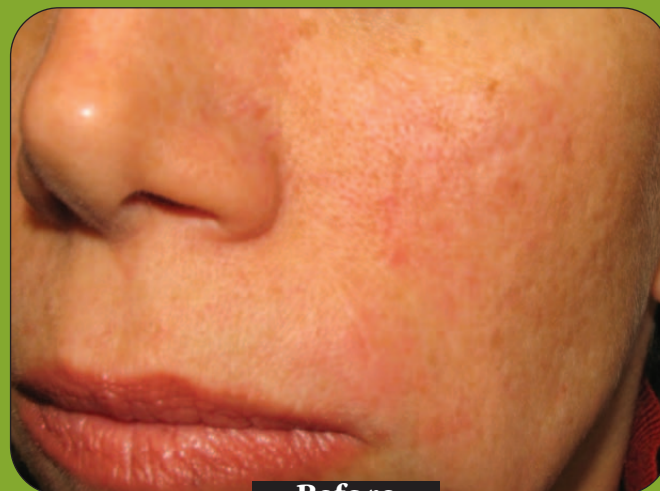
Bimodal Facial Restoration™



Before



After 2nd Tx



Before



After 2nd Tx

photos courtesy of David Friedman, MD

aerolase®
compact laser technology