
A NOVEL AESTHETIC TREATMENT COMBINING SEA SALT EXFOLIATION, ULTRASOUND-ASSISTED PRODUCT APPLICATION, AND MULTI-WAVELENGTH LED THERAPY

A PILOT STUDY
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The concept of “Generational Aesthetics” is being discussed at most Cosmetic meetings this year. Dermatologists and Plastic Surgeons are seeing increasing numbers of patients spanning 12 years old to 90 years old seeking treatment for acne, skin tone, clarity and quality.

Generational aesthetic populations include:

1. Generation Z: 12-25 years
2. Millennials : 25-40
3. Generation X: 41-55
4. Baby Boomers: 55-75
5. Additionally: 76-100

Common to all ages is the desire to improve features with minimally invasive, non-surgical procedures if they provide results. A unique combination therapy utilizing positive pressure, delivery angle optimized, sea-salt exfoliation, pulsed ultrasound assisted product absorption, and multi-wavelength LED exposure called “SALTFACIAL”, was examined in a “Pilot Study” to examine potential efficacy. Many peer-reviewed papers have highlighted the benefits of sea salt, ultrasound assisted cavitation absorption, and LED therapy. This is the first system, made in the USA, to combine these science-proven modalities in a single treatment. The proven regenerative, anti-inflammatory, anti-bacterial, pH balancing effects of this system were examined in several patient populations.

These included:

1. Aging Skin
2. Acne
3. Acne Scarring
4. Striae
5. Unwanted pigment/vascularity
6. Neck/Décolletage Skin
7. Scar Therapy
8. Safety in skin Types I-VI

Photographic analysis, including Quantificare analysis of skin quality, pigment, vascularity was examined. Linear analog scores were obtained measuring many features were administered.

RESULTS:

Improvement in skin tone, clarity and quality was consistently seen in the Aging skin population. Improvement was progressive with additional treatments and reached a threshold at 6 treatments spaced 2 weeks apart. Active acne was improved with successive treatments. Pustule counts reduced linearly with weekly treatments and reached threshold with 4 treatments spaced weekly. Atrophic scars including acne and striae showed linear improvement with an average of 6 treatments spaced 2 weeks apart. The quality, clarity, and tone of neck and décolletage skin improved linearly with treatments spaced weekly. Scar quality improvement has been seen in acne scars, atrophic scars and post-surgical scars. Improvement was seen in melasma, other hyper-pigmentation causes, and hypervascularity conditions. The SaltFacial was shown to be safe in all skin types with protocol modifications in skin types III-VI.

CONCLUSION:

This novel multi-modality device offers a unique addition to the surgeon's armamentarium of minimally-invasive options to provide patients meticulous results.