

Results of the 755nm Picosecond Laser with Diffractive Lens Array: A European Perspective of Skin Revitalization on Normal Skin and of a Post-Lyell Patient

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Study Design:

- Study to evaluate 755nm picosecond laser with diffractive lens array for facial revitalization in 56 subjects.
- Each subject received 3 Focus treatments spaced 3-4 weeks apart.
- Average of 3500-4500 pulses using 6 mm spot at 0.71 J/cm².
- One subject (ST V) 4-years post Lyell syndrome, refused other treatments, treated to investigate if improvement in residual dyspigmentation and topological unevenness left from bullae formation could be achieved.
- Post Lyell subject received 6 treatments spaced 1 month apart 4 passes per cheek.

Results:

- Patient satisfaction high with 87% scoring outcomes as Satisfied or Extremely Satisfied with 2D photography demonstrating general improvement in skin condition, tone and irregularities.
- Side effects subsided within hours of the treatment in most cases.
- Post Lyell patient demonstrated excellent visual improvement and 3D topography and multispectral analysis found that erythema was reduced by 86.4%, hyperpigmentation reduced by 65.5% and surface irregularity reduced in volume by 45.3% (measurements of volume of depression between 0.1-1mm saw reduction from 1.07mm to 0.602mm).

Post Lyell Patient



Before



1 mos After 6 Focus Tx's

Courtesy of M. Adatto, MD

Conclusion:

- The 755nm picosecond laser system with Focus Lens Array is safe and effective in facial skin revitalization. It is also potentially effective at improving residual dyspigmentation and topological unevenness in post Lyell patients.

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