

Laser Toning using a Picosecond 755 nm Alexandrite with a Diffractive Lens Array (DLA) Optic

Sham-Shik Shin, MD, Emil Tanghetti, MD

Study Design:

- 20 Asian patients in Gwangju, South Korea treated with Picosecond 755 nm Alexandrite laser using a DLA optic.
- Patients were treated with multiple passes every 2-4 weeks for up to 5 treatments.
- Standard photography evaluated 6 months post last treatment by blinded assessors.

Results:

- Significant improvement in dyspigmentation and facial surface inconsistencies.
- Patient and Physician satisfaction ratings were both high.
- Very little downtime and minimal short term redness that typically lasted 1-3 hours with no long term complications.

Conclusion:

- Laser toning with this device can be used successfully to treat Asian patients with abnormal pigmentation and facial surface inconsistencies.
- There is minimal downtime associated with this procedure and we did not observe any of the long term side effects that can be associated with laser toning using a Q-Switched Nd:YAG. This unique Picosecond and DLA optic treatment appears to be safe and well suited to Asian skin.



Baseline

6 Months Post 5 Tx



Baseline

6 Months Post 5 Tx