



Literature Review of the Extensive PicoSure Peer-Reviewed Library

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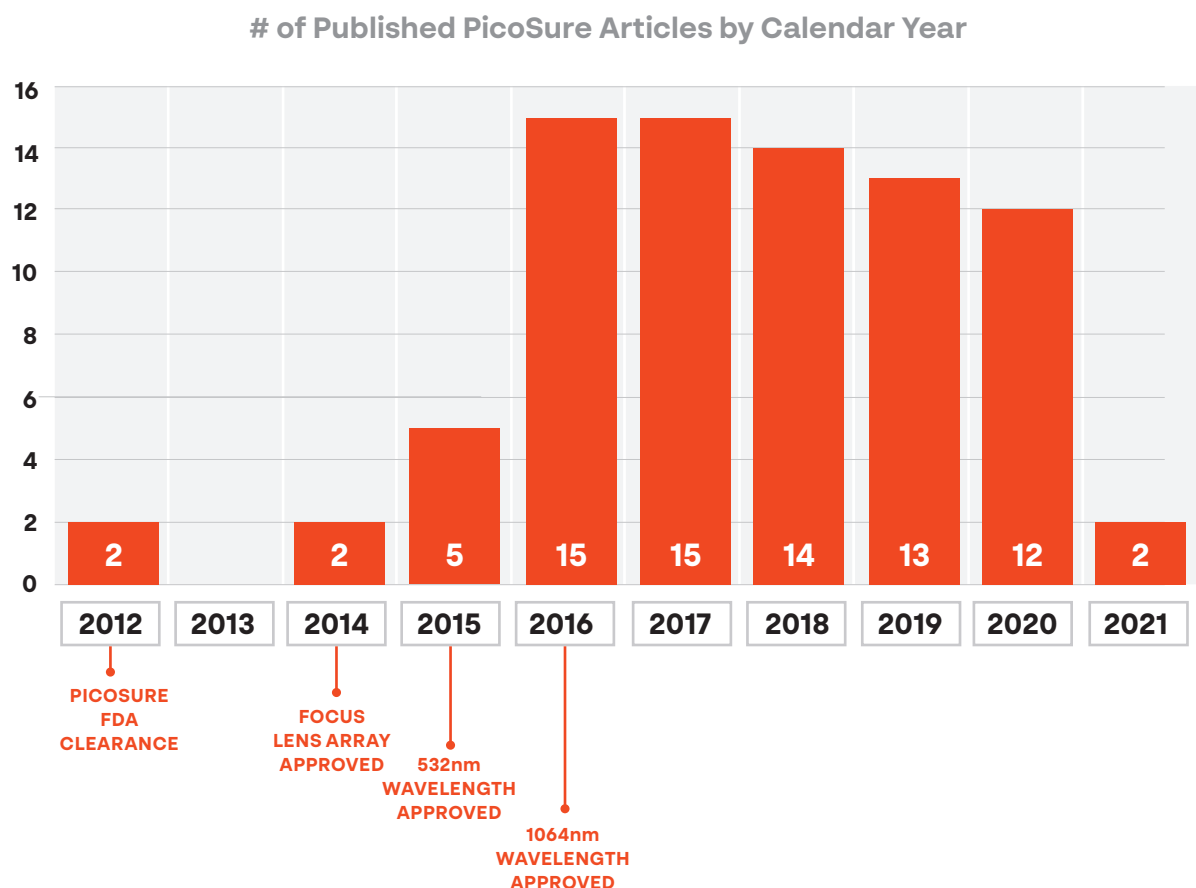
BACKGROUND

- Picosecond lasers are versatile, being able to treat tattoos, varying pigment, acne scars and wrinkles utilizing three different wavelengths (532nm, 755nm, 1064nm) with a diffractive Focus™ lens array.
- The purpose of this study was to evaluate the clinical literature for PicoSure to determine how the device is being used in the field.

METHODS

- A literature search was performed with general key terms e.g. "cynosure", "picosure", "diffractive lens array".
- Results were reviewed on a per-article basis to determine whether the literature reviewed PicoSure of a different device. Articles were purchased if it could not be determined.
- Articles were then summarized with results, number of subjects, Fitzpatrick Skin Types and indications.

Figure 1. Number of PicoSure articles by calendar year



RESULTS

- 80 articles were found on PicoSure.
- 1,293 subjects were included in the clinical studies reviewed.
- Most popular indications:
 - Pigmented lesions (N=19)
 - Skin revitalization (N=11)
 - Tattoos (N=13)
 - Clinical studies on treatments for melasma (N=6)
- Additional conditions and topics:
 - Nevus of Ota
 - Paradoxical darkening
 - Safety and histology studies

CONCLUSION

- The PicoSure laser is an extremely effective and versatile device for a variety of treatments and continues to be relevant in the industry today.



Figure 2. Treatment with a Picosecond pulse duration laser for acne scarring.



Figure 3. Treatment of blue and green pigment with a Picosecond laser for tattoo removal.

