



LASERS

EFFICACY OF A NOVEL TECHNOLOGY OF TRIPLE WAVELENGTH PERMANENT HAIR REDUCTION LASER IN INDIAN SKIN TYPES IV TO VI

E Prithvi Raj Kirit⁽¹⁾ - A Sainath Kumar⁽²⁾

Celestee Skin Laser And Hair Clinic, Dermatology And Aesthetic Dermatology, Hyderabad, India⁽¹⁾ - Sainath Sskin Specialties Clinic, Dermatology And Aesthetic Dermatology, Hyderabad, India⁽²⁾

Background: The study's aim is to evaluate the efficacy of a novel technology which combines three wavelengths namely 1064, 810 and 755nm in Indian patients – types IV to VI

Objectives: To assess the fluence, cumulative energy number of treatments needed to achieve a significant hair reduction and patient satisfaction with minimal side effects.

Methods: 97 patients received laser hair removal sessions at 4 weekly intervals using the novel technology which combines a 1064, 810 and 755 nm in each session with low fluence, high repetition rate. All the patients were screened for hormonal abnormalities and treated if detected. Hair counts were done on each side and each follow up visit.

Results: The overall reduction of hair was 81-92 % at 6 months follow up. None of the patients had moderate to severe adverse reactions which were reported with other lasers. Less than 3 % of patients had mild erythema for less than 2 hours after the session.

Conclusion: Novel technology with combination of triple wavelength and with low fluence, high repetition rate is effective in permanent laser hair reduction and is very safe in Indian skin types IV to VI.

This study is presented as it has been done for the first time in the world and has not been reported elsewhere in the world.

