

RETROSPECTIVE EVALUATION ABOUT
THE EFFICACY AND SAFETY OF THE
FRACTIONAL ABLATIVE PIXEL 2940nm
LASER TREATMENT FOR ATROPHIC ACNE
SCARS IN FOUR PATIENTS

Dr. Zaw Min Oo @ Jonathan
ID- 1001128214
(JAN 2011 BATCH)

MASTER OF SCIENCE (ANTI-AGING, REGENERATIVE
MEDICINE AND MEDICAL AESTHETIC)
FACULTY OF MEDICINE AND HEALTH SCIENCES
UCSI UNIVERSITY

2013

ABSTRACT

This paper provides a retrospective evaluation about the efficacy and safety of the fractional ablative pixel 2940 nm laser treatment for atrophic acne scars. In accordance with inclusion and exclusion criteria, 4 female patients of Malay ethnics (mean age 31.25 years; age range 28 – 35 years; 3 patients with skin type IV and one with skin type V), were selected to involve in the study. The area of scarring was 25-75% of the whole face and they took 4 laser treatment sessions with 3-6 weeks apart between each session. The changes in texture, size and color of scars, pain score, overall patients' satisfaction and side effects were assessed based on the treatment record chart as well as the evaluation made by both the patients and the doctor. Based on the results obtained from this study, the conditions of the scars in all patients showed slight to moderate improvement in term of texture, size and color after 4 treatment sessions with the fractional ablative pixel 2940 nm laser. The nature of treatment is well-tolerated with acceptable degree of pain and lack of serious side effects which all contribute to achieve 25-75% patients' satisfaction level.