ABSTRACT BOOK ABSTRACTS



A new ERA for global Dermatology 10 - 15 JUNE 2019 MILAN, ITALY

DERMATOLOGICAL SURGERY

## HAIR TRANSPLANTATION BY FOLLICULAR UNIT EXTRACTION FOR MALE ANDROGENETIC ALOPECIA: AN OBSERVATIONAL STUDY WITH FOCUS ON MODIFICATIONS

Biju Vasudevan<sup>(1)</sup>

Base Hospital, Department Of Dermatology, Lucknow, India<sup>(1)</sup>

Introduction: Follicular unit extraction is the most popular method of hair transplantation in today's world. Certain minor modifications can improve the results of hair transplantation.

Objectives: To observe the results of Follicular unit extraction with modifications to the FUE technique.

Materials and Methods: 52 consecutive male patients of Androgenetic alopecia who underwent Hair transplantation by modified Follicular unit extraction method between the period of January 2016 and June 2017 have been included in this study based on inclusion and exclusion criteria. Follicles were extracted by motorised punches and implanted by slit and place technique. Modifications included use of long needles for anesthesia, tumescent anesthesia after slitting, use of triamcinolone acetonide in tumescence, headband to prevent edema and garden sprinkler for keeping follicles moist. Photographic images, trichoscopy and Likert's scale were used to assess patient's improvement in hair density after the transplantation procedure. Statistical methods (Mann Whitney U test and paired t test) using SPSS software were applied to analyse the results.

Results: Average number of follicular units transplanted in patients was 1290 (improvement in hair density: of 30.61 follicular units/ sq cm). There was a statistically significant difference in improvement in hair density in patients less than 33 years and Norwood classification below Stage 4a. 49 patients were satisfied with the results after assessment by the Likert scale. Minor complications were seen in 3 patients. The hairline and density after procedure was assessed as good to excellent by most patients.

Conclusion: Hair transplantation by modified Follicular extraction method provides good hair cover in Androgenetic alopecia in males. These modifications greatly improve results in hair transplantation and provide improved quality of life and appearance in male pattern baldness. There are also minimalistic complications with the use of these innovative modifications.





International League of Dermatological Societies Skin Health for the World

