



# Patient perception of microneedle treatment

## A pilot study of Tehran

Maryam Saberi\* , Shahram Saidali\*\*

### Introduction:

Non-surgical rejuvenation is predominant consideration in cosmetic procedures. Many studies concluded that microneedle therapy enables skin rejuvenation appearances but a few studies have investigated public perception and satisfaction about this procedure.

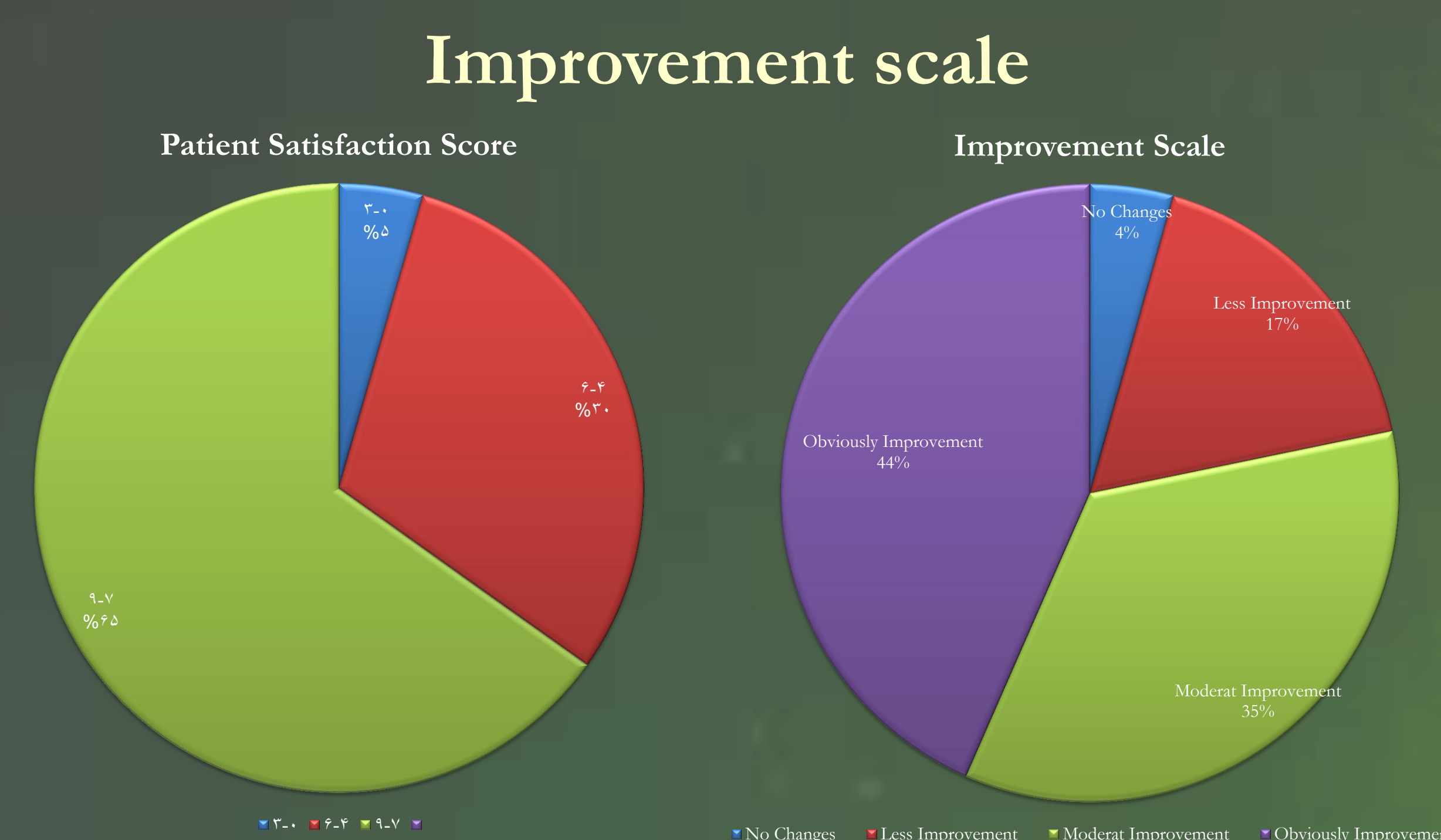
### Material and Method:

Twenty-seven patients were selected based on inclusions and exclusions criteria for the microneedle therapy. After signed concept form, patients were treated based on dermapen microneedle protocol. 23 patients completed forms. Patients were asked to provide their opinion about satisfaction in skin and hair appearance using patient satisfaction visual analog scale 1-10 point (VAS) and evaluate the effectiveness of treatment by scoring -3 (poor) to +3 (excellent) scale after three months of their treatment. The analysis was completed using descriptive statics with SPSS 19.

### Result:

The mean age of patients was 47.91± 8.63 years and 91.3 % of patients were female. Rejuvenation 17 cases (73.9%), Scar treatment 5cases (21.7%) and alopecia 1 case (4.3%) were reported. Patients opinion about continuing treatment if necessary was 87.00% positive and 91.3 % had recommended to others.

Fig 1 and 2– Patient satisfaction score ,



### Conclusion:

Public perception and satisfaction have an important role in the selection of procedures for rejuvenation and scar treatment, microneedle therapy to anti-aging and scar therapy seems to be an effective and acceptable treatment by public opinion towards to commercialization

Article ID: 47631

### \*Corresponding Author:

MD.MPH, Research expert, Tehran University of Medical Sciences, Aesthetic Practitioner, Tehran, Iran

✉ Marsabery@gmail.com

☎ +98 912 148 3976

\*\* MSc, Technical Expert, Nuclear Power Production Development Company of Iran.

✉ Shahram\_sai@yahoo.com