

## ***THE EFFECTIVENESS OF SELECTIVE FRACTIONAL RF MICRONEEDLE (INTRAcE<sup>l</sup>) FOR THE TREATMENT OF TELANGIECTASIA***

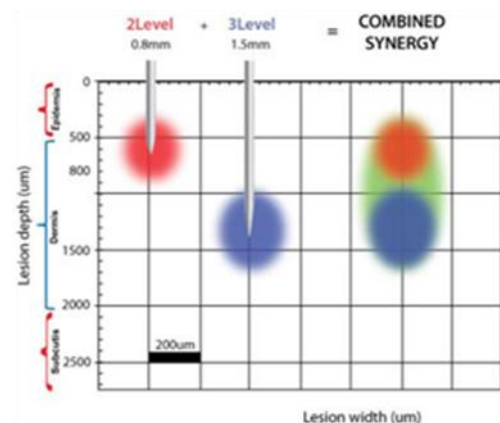
**Dr.Ayako Ito,**  
**Dr.Kazuhiro Hayashi,**  
**Dr.Tomoyuki Matsukura**  
Matsukura Clinic, Tokyo, Japan

INTRAcE<sup>l</sup> was a groundbreaking device on fractional industry as a machine that combined bipolar RF and fractional Laser together in 2009. 80 patients have been treated with this machine since Oct 2009. 9(nine) patients were male and 71 patients were female. Most of INTRAcE<sup>l</sup> treatments were treated for acne or acne scar and used anesthetic cream for anesthesia before the treatment. Even though a few patients had a minor bleeding during the treatment, their skin was recovered within few days.

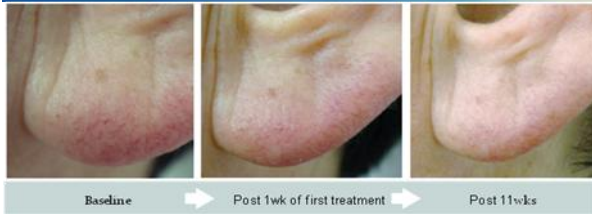
From the photos (Fig.1), the condition of acne and acne scar were greatly improved by one INTRAcE<sup>l</sup> treatment. Refer to the graph (Fig.2), INTRAcE<sup>l</sup> treatment provided different result depending on energy level and needle depth. Therefore, INTRAcE<sup>l</sup> had high possibility on treating telangiectasia in dermis.



***Fig.1. Acne and Acne scar treatment***



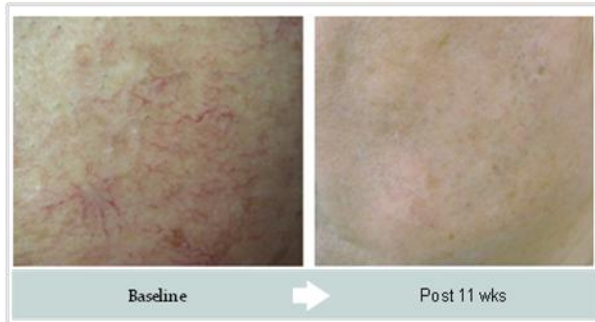
***Fig.2. Tissue Denaturation by Level and Depth***



**Fig.3. Treatment of Earlobe Telangiectasia**

### Treatment of Earlobe Telangiectasia

The strong confidence came along with fast result since the difference was clearly showed up within a week after the first treatment as shown on Fig.3. Following the first treatment, longer needles were used for the second treatment. 11 weeks later, the patient satisfied greatly with the result on his earlobe telangiectasia.



**Fig.4. The case of telangiectasia for left cheek**



**Fig.5. Treatment of Telangiectasia for right cheek**

### Telangiectasia Treatment for Face

Referred to the method of this examination, taking micro pictures of patient was planned and molding silicon rubber was used to observe the improvement of the skin at the time of baseline, post 6 weeks and post 3 months. Microscope was used to take pictures and the condition of each observing point was recorded as movie. Then, the effectiveness of telangiectasia was compared and the result was observed. Fig.4 was the case of telangiectasia for left cheek and Fig.5 was micro pictures of another patient. Even though the patient in Fig.5 had two treatment, the result was still clear and his skin was continuously improved. Finding from this experiment explained that INTRAcel was an applicable device for telangiectasia.

### Conclusion

INTRAcel is an effective treating device for scars, acne scars, skin tightening, and skin rejuvenation as well as telangiectasia. In addition, INTRAcel improved skin texture. As described on this article, most of patients were satisfied with INTRAcel treatment. Therefore, INTRAcel could be an innovative device to treat telangiectasia.