

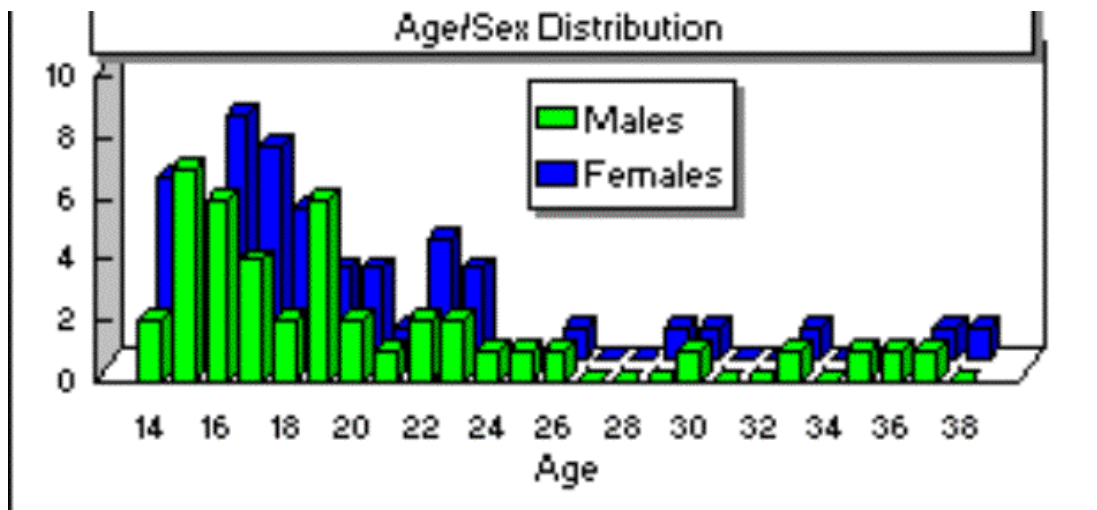
High Frequency Blemish Clinical Study

Introduction

The portable high frequency unit is a condensed version of the high frequency skin care technology that is used by skin care professionals world wide to enhance the appearance of skin. This study is being undertaken to quantitatively establish that published results that are attributed to high frequency for the remission of blemishes are demonstrably associated with the portable high frequency unit.

Procedure

The study began with 100 subjects. Of these, 93 subjects, 50 female and 43 male completed the study. The subjects were randomly divided into active and placebo resulting in 68 active and 25 placebos. The ages involved in the study were from 14 to 38 years with the majority being in their teens. The following diagram illustrates the age/sex distribution of the participants:



The participants were divided into three groups where:

Group 1 received treatments using a placebo portable high frequency unit

Group 2 received treatments with a functional portable high frequency unit

Group 3 received treatments with a functional portable high frequency unit and Lotion

A. Each subject was initially evaluated and measured using the procedure described below:

1. The subject was photographed in profile using a Kodak DC210 digital camera. Photographs of the right side of the of the face and the left side of the face were taken.
2. The images were then input to a computer using Adobe PhotoShop and the images were printed on an Epson Stylus Color IIs printer.
3. The number of blemishes appearing on the subject's face was counted and

recorded. In the event that the blemishes extended to the neck, the photograph was marked to record the line up to which blemishes were included.

4. Using a Mitutoyo CD-6P Digimatic vernier, the diameter of each blemish was measured and recorded.
5. The subject received a score equal to the sum of the diameter of the blemishes appearing on the face.

B. The subjects were each given treatments by our esthetician. The treatment consisted of:

Group 1 received treatments using a placebo portable high frequency unit

1. Cleanse with Primary Solution Cleanser.
2. Two minute general sweep with the placebo portable high frequency unit over the entire face.

Group 2 received treatments with a functional portable high frequency unit

1. Cleanse with Primary Solution Cleanser.
2. Two minute general sweep with the functional portable high frequency unit over the entire face.

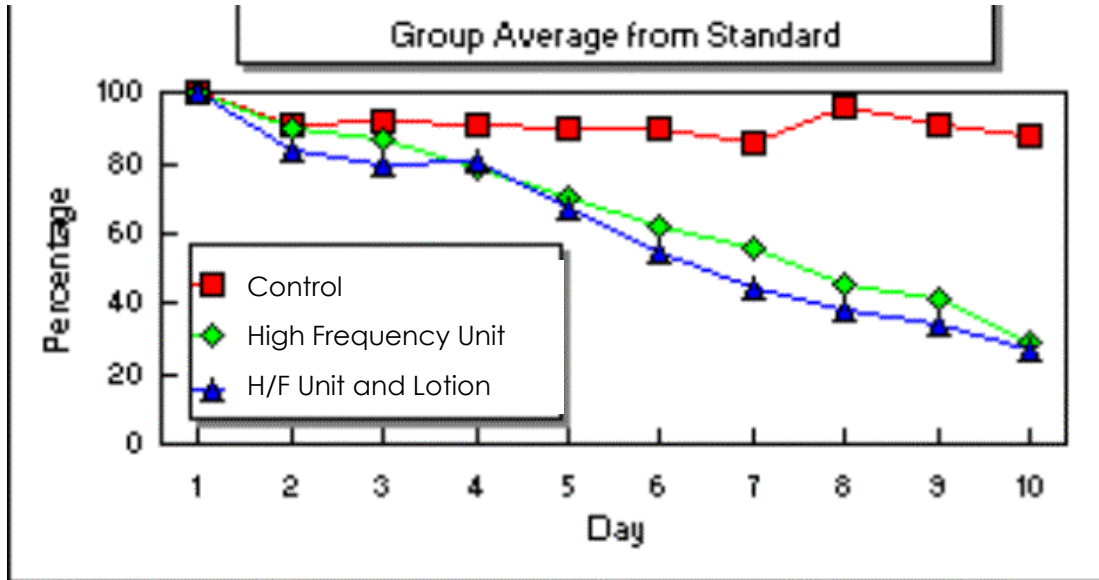
Group 3 received treatments with a functional portable high frequency unit and Lotion

1. Cleanse with Primary Solution Cleanser.
2. Cover the entire face with Lotion.
3. Two minute general sweep with the functional portable high frequency unit over the entire face.

C. After each treatment, a second pair of digital photographs was taken and the above measurements were repeated.

Treatments were conducted twice daily on each subject, between 7:00 AM and 8:00 AM and 5:00 PM and 6:00 PM each day. The treatments lasted for a period of 10 days.

During the test, there were a number of days where the treatments could not be conducted due to illness or other personal circumstances. Because the duration of the test was so short, if a subject missed a treatment, they were dropped from the test.



Results

The graph above presents the average standard results for the three groups. This was calculated by taking the average sum for each group for each day as a percentage of the average sum for the first day.

Conclusion

There is a dramatic improvement in the average condition of the participants compared to the control sample. Quantitatively, the average improvement was to a level of 35% of the original evaluation. While there is a marginal additional improvement in the group who used the lotion as well as the portable high frequency unit, the difference is not large and the results appear to be converging on the results of the group that used the portable high frequency unit alone.

Every participant who used the portable high frequency unit had a significant reduction in his/her blemish score indicating that most people will see reduced blemishes when using the portable high frequency unit.

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