Registered Office
Bio Basic Europe S.r.l.
Uffici: Via Antonio Panizzi,10 - 20146 Milano
Phone: +39 02 4155729 - Fax: 02 41274243
info@biobasiceurope.it - www.biobasiceurope.it

ISCR. REG. SOC. TRIB. MI 1552357
CCIAA MI 1511487
CAP. SOC. E10.845.59
C.F. P.IVA 11930080152

Istituto di Ricerche Dermocliniche
CDC
Viale Misurata, 59 - 20146 Milano
Phone: +39 02 48371962
info@cdcdermoinstitute.it - www.cdcdermoinstitute.it

CDC Dermo-Clinical Research Institute

UNIVERSITA' DEGLI STUDI DI PAVIA
Dipartimento di Medicina Interna e Terapia Medica
(Direttore: Prof. Plinio Richelmi)

Preliminary evaluation of the effect of a cosmetic treatment through an instrumental, clinical and self-evaluation test

JET TECH EUROPE S.R.L.

JET POWER BIPHASIC PROTOCOL

Place and date of issue: MILAN – 24th October 2019

Report no. **1910H02F1-1**

INDEX

Summary ..... pag. 3

Experimental part ..... pag. 4

Execution of the test ..... pag. 7

Summurizing tables of the values ..... pag. 10

Conclusions ..... pag. 32

Bibliografy ..... pag. 33

SCIENTIFIC TECHNICAL COMMITTEE
Bio Basic Europe S.r.l.
Plinio Richelmi, Ornella Pastoris, Fernando Marco Bianchi, Antonella Colombo, Alessandra Di Benedetto, Evelyn Falconi Klein, Laura Mainardi, Umberto Pianca, Claudio Angelinetta, Monica Bucchia, Silvia Busoli Badiale, Daniela Gandini, Antonella Praticò, Eliana Regola, Francesca Vallotto

Scientific person in charge
Prof. Plinio RICHELMI
Professor of Pharmacology
Director of the Department of Internal Medicine and Medical Therapy
University of Pavia
Via Ferrata 6- 27100 PAVIA

Quality Control
Dr. Claudio Angelinetta
Chemist
M.Sc. Cosmetology
Technical Director at BIO BASIC EUROPE s.r.l.
Via Antonio Panizzi 10, Milano

Experimenter
Dr. Fernando Marco BIANCHI
Physician specialized in Dermatology and Venereology
consultant at CDC - Dermo-clinic Research Institute
viale Misurata 59, Milano

Person responsible for the report
Dr. Gaetana Rizzi
Master's Degree in Experimental and applied Biology, curriculum Bioanalysis, at the University of Pavia
Efficacy Tests Department - BIO BASIC EUROPE s.r.l.
Via Antonio Panizzi 10, Milano

SUMMARY

The purpose of this clinical test is to assess, on a preliminary basis, the "anti-wrinkles" effect of a cosmetic treatment and to evaluate its acceptability.

This test was performed by a professional operator and monitored by a dermatologist as follows:

12 female panellists, with an age between 50 and 65 years, were recruited and underwent 6 sessions of the treatment (2 times a week for 3 weeks) on the face.

Before the treatment, after the third and the sixth session, the following instrumental and clinical parameters were evaluated: skin moisturization, skin elasticity, skin compactness, wrinkles depth-area, skin smoothness, skin softness, skin brightness, visibility of macrowrinkles and expression lines.

Moreover, all the evaluations given by volunteers in the sensorial test were collected at the end of this test. The score they gave is according to VNS scale (0-10, where 0 is the minimum value and 10 is the maximum value).

According to the results obtained in the volunteers who underwent the clinical test, we can state, on a preliminary basis, that the treatment has proved to have an effect in:

- reducing wrinkles depth and area
- improving skin compactness, skin elasticity and skin moisturization
- improving skin brightness, skin smoothness, skin softness
- reducing macrowrinkles and expression lines

Moreover, the treatment has proved to have a very good acceptability.

EXPERIMENTAL PART

Report no. 1910H02F1-1

Title

Preliminary evaluation of the effect of a cosmetic treatment through an instrumental, clinical and self-evaluation test

Scope

The purpose of this clinical test is to assess, on a preliminary basis, the "anti-wrinkles" effect of a cosmetic treatment and to evaluate its acceptability.
In particular, the following instrumental and clinical parameters were evaluated: skin moisturization, skin elasticity, skin compactness, wrinkles depth-area, skin smoothness, skin softness, skin brightness, visibility of macrowrinkles and expression lines.

Legal information

In accordance with the current legislation and the declaration of Helsinki, all volunteers must be adequately informed of the aims, methods, clinical trial details, anticipated benefits and potential undesirable effects of the study. Each panellist must sign an informed consent form, which is managed and archived by applying the internal procedure of the Quality Management System of Bio Basic Europe S.r.l.

Contract information

- Technical report performed by BIO BASIC EUROPE s.r.l. and Università degli Studi di Pavia.
- Final technical report written by BIO BASIC EUROPE s.r.l. on behalf of JET TECH EUROPE S.R.L.
- Experimentation performed at CDC - Dermo-clinic Research Institute

CLINICAL TEST FEATURES

Test subjects

12 female subjects, with an age between 50 and 65 years, have been selected for the test, following the undermentioned inclusion criteria:

- presence of wrinkles

- good state of health/absence of psychological and/or cognitive disorders;
- no dermatopathies and allergic pathologies (to cosmetics or other specific excipient), or other pathologies (as unknown irritant responses);
- no ongoing pharmacological treatments that could affect the result of the test;
- no participations in other clinical trial during the previous 30 days;
- signature of the informed consent form.

Preparation of the samples

Samples of the products have been applied following their usual use: as they are.

Method of application of the samples

THE TREATMENT:
During the same session perform:
1) cleaning with Jet Detox Water
2) exfoliation alternating session by session 10% Glycolic Acid (Renewal Complex 2) and Mandelic Acid (Renewal Complex 4)
3) infusion of Power Bi-Phasic 1
4) infusion of Power Bi-Phasic 2
If the exfoliation has been performed with 10% Glycolic Acid: a) after 3-5 minutes it will be necessary to wash it off with Jet Detox Water b) at the end of the session it is recommended to apply a SPF sun protection.

DETAILED TREATMENT:
1 ° STEP (cleaning): soft cleaning with Jet Detox Water (around 10 ml)
2 ° STEP (exfoliation): session by session alternate 10% Glicolic Acid (use around 4 ml) (after that wash it off using Jet Detox Water) and Mandelic Acid (use around 4 ml)
3 ° STEP (infusion): infuse around 4 ml of Power bi-Phasic 1 and after that around 4 ml of Power Bi-Phasic 2.

INGREDIENTS (INCI):

POWER BI-PHASIC JS-AABP

POWER BI-PHASIC 1
AQUA (WATER), METHYLPROPANEDIOL, BETAINE, PPG-26-BUTETH-26, PEG-40 HYDROGENATED CASTOR OIL, SODIUM HYALURONATE, HYALURONIC ACID, SACCHARIDE ISOMERATE, GLYCERIN, HYDROLYZED SODIUM HYALURONATE, ACETYL TETRAPEPTIDE-9, BUTYLENE GLYCOL, HYDROLYZED RICE BRAN PROTEIN, SUPEROXIDE DISMUTASE, GLYCINE SOJA (SOYBEAN) PROTEIN, CHLORPHENESIN, ACETYL HEXAPEPTIDE-51 AMIDE, DECYLENE GLYCOL, PHENOXYETHANOL, DISODIUM EDTA, CITRIC ACID, SODIUM CITRATE, PARFUM (FRAGRANCE).

POWER BI-PHASIC 2
AQUA (WATER), METHYLPROPANEDIOL, PROPYLEN GLYCOL, BETAINE, SACCHARIDE ISOMERATE, SODIUM HYALURONATE, LEONTOPODIUM ALPINUM EXTRACT, HYDROLYZED RICE BRAN PROTEIN, GLYCINE SOJA (SOYBEAN) PROTEIN, SUPEROXIDE DISMUTASE, GARDENIA JASMINOIDES MERISTEM CELL CULTURE, BUDDLEJA DAVIDII MERISTEM CELL CULTURE, EQUISETUM ARVENSE EXTRACT, ECHINACEA ANGUSTIFOLIA ROOT EXTRACT, CAPSICUM ANNUUM FRUIT MERISTEM CELL CULTURE, VITIS VINIFERA FRUIT MERISTEM CELL CULTURE, GLYCINE MAX MERISTEM FRUIT CELL CULTURE, GLYCERIN, DISODIUM EDTA, PPG-26-BUTETH-26, PEG-40 HYDROGENATED CASTOR OIL, CHLORPHENESIN, CITRIC ACID, DECYLENE GLYCOL, XANTHAN GUM, SODIUM BENZOATE, POTASSIUM SORBATE, PHENOXYETHANOL, SODIUM CITRATE, PARFUM (FRAGRANCE).

JET DETOX WATER JS-JDW
AQUA – WATER, SODIUM CHLORIDE, ALOE BARBADENSIS LEAF JUICE, SODIUM LACTATE, HYALURONIC ACID, SILANETRIOL, CALCIUM SODIUM BOROSILICATE, SILVER OXIDE, BUTYLENE GLYCOL, PHENOXYETHANOL, SORBIC ACID, CITRIC ACID.

RENEWAL COMPLEX 2- JS-SR2
AQUA (WATER), GLYCOLIC ACID, PROPYLENE GLYCOL, GLYCERIN, METHYLPROPANEDIOL, PANTHENOL, ALOE BARBADENSIS LEAF JUICE, DISODIUM EDTA, PARFUM (FRAGRANCE), PEG-40 HYDROGENATED CASTOR OIL, PPG-26-BUTETH-26, PHENOXYETHANOL, DECYLENE GLYCOL, CHLORPHENESIN, AMMONIUM HYDROXIDE.

RENEWAL COMPLEX 4 – JS-SR4
AQUA (WATER), MANDELIC ACID, VACCINIUM MYRTILLUS FRUIT EXTRACT, PROPYLENE GLYCOL, METHYLPROPANEDIOL, SACCHARUM OFFICINARUM (SUGAR CANE) EXTRACT, SODIUM HYDROXIDE, MALIC ACID, BETAINE, BIS-PEG-15 METHYL ETHER DIMETHICONE, SODIUM HYALURONATE, CITRUS AURANTIUM DULCIS (ORANGE) FRUIT EXTRACT, GLYCERIN, PEG-40 HYDROGENATED CASTOR OIL, MALVA SYLVESTRIS (MALLOW) LEAF EXTRACT, RUSCUS ACULEATUS ROOT EXTRACT, ALOE BARBADENSIS LEAF JUICE, CALENDULA OFFICINALIS FLOWER EXTRACT, SALICYLIC ACID, GLYCOLIC ACID, ARGININE, ACER SACCHARUM (SUGAR MAPLE) EXTRACT, LACTIC ACID, ALLANTOIN, SUPEROXIDE DISMUTASE, GLYCINE SOJA (SOYBEAN) PROTEIN, CITRUS LIMON (LEMON) FRUIT EXTRACT, CHAMOMILLA RECUTITA (MATRICARIA) FLOWER EXTRACT, HYDROLIZED RICE BRAN PROTEIN, UREA, PPG-26-BUTETH-26, BISABOLOL, PHENOXYETHANOL, SODIUM BICARBONATE, CHLORPHENESIN, DISODIUM EDTA, DECYLENE GLYCOL, PARFUM (FRAGRANCE).

EXECUTION OF THE TEST

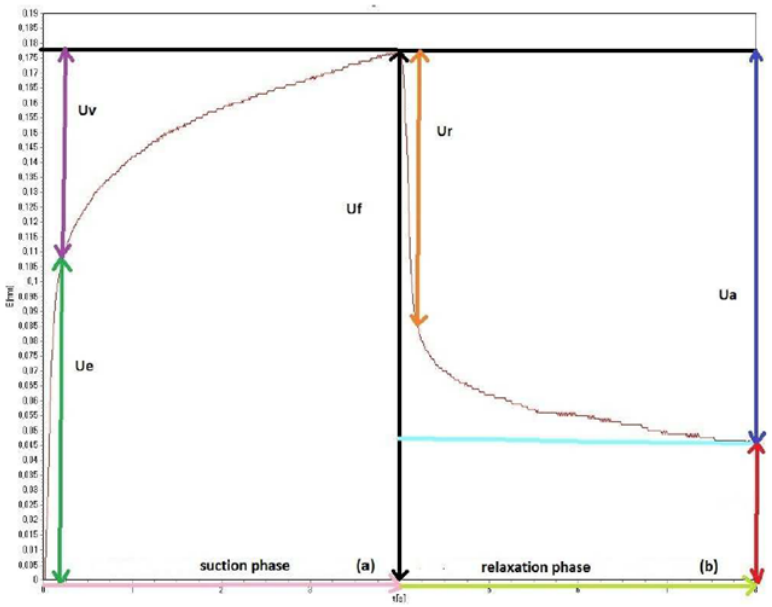
INSTRUMENTAL PARAMETERS

- Skin **moisturization** measurements were taken by using **CORNEOMETER® CM 825**

Corneometry measures the electric capacity of the skin surface that is related to skin moisture: indeed both electric capacity and the conductance of biological tissue change according to the water content, i.e. they increase if the water content increases.
This instrument translates the electrical parameters in moisturization units (scale: 0÷130).

- Skin **elasticity** and skin **compactness** measurements were taken by using **CUTOMETER® MPA 580**

The Cutometer® measures elasticity of the upper skin layer using negative pressure which deforms the skin mechanically. The measuring principle is based on the suction method. Negative pressure is created in the device and the skin is drawn into the aperture of the probe and after a defined time released again. Inside the probe, the penetration depth is determined by a non-contact optical measuring system. This optical measuring system consists of a light source and a light receptor, as well as two prisms facing each other, which project the light from transmitter to receptor. The light intensity varies due to the penetration depth of the skin. The resistance of the skin to the negative pressure (firmness) and its ability to return into its original position (elasticity) are displayed as curves (penetration depth in mm/time) in real time during the measurement. This measurement principle allows getting information about the elastic and mechanical properties of skin surface.



1. Suction Phase (pink arrow)
In the first part of the suction phase, skin enters the probe immediately and straight (green arrow). This is the immediate elastic deformation and in literature described as Ue. In the second part of the suction phase skin rather "creeps" into the probe (purple arrow). This part represents the viscoelastic suction part Uv. The more elastic a material, the smaller Uv. The maximum penetration after the suction time can be seen with black arrow (Uf).

2. Relaxation Phase (light green arrow)
With a viscoelastic material such as skin, the complete relaxation (Ua, blue arrow) can again be divided into two parts: the immediate elastic return Ur (orange arrow) and the flat, visco-elastic part Ua - Ur.

Uf – Ua shows the overall ability of the skin of returning into its original shape.

Elasticity=R2=Ua/Uf = portion between the max amplitude and the ability of returning to the original position (blue distance/black distance - gross elasticity). The closer the value is to 1 (100 %) the more elastic the curve.

Compactness=R0 = Uf = First max. amplitude, highest point of the first curve, this has an implication for the firmness of the skin (data are expressed in mm).

- **Wrinkles area and depth** measurements are taken with **Antera 3D®** and elaborated with the software Antera 3D®.
Antera 3D® is a camera able to capture images at high resolutions. Thanks to the use of an innovative method and complex mathematical algorithms, the device is able to acquire 3D images.
Antera 3D Pro allows to measure a set of parameters related to lines expression, wrinkles and folds (characteristics of the skin which are deep-set in comparison to the normal skin surface).

Depth measurements are the average depth of the selected wrinkle and are expressed in mm.
Wrinkle area measurements are expressed in mm^2.

The readings are taken:

- at [T0] (basal value)
- after the third treatment [T3rd]
- after the sixth treatment [T6th]

CLINICAL PARAMETERS

During this period, the following clinical evaluations have been proved:

- Skin compactness
- Skin smoothness
- Skin softness
- Macrowrinkleness expression lines visibility
- Skin brightnes

The evaluations are taken:

- at [T0] (basal value)
- after the third treatment [T3rd]
- after the sixth treatment [T6th]

The readings and evaluations are taken by the experimenter in the medical studio, then analysed and reported in a graph.

SELF-EVALUATION

Volunteers opinions are also taken at the end of the test, after 21 days of product use.

This self-evaluation was performed according to VNS scale, with values from 0 to 10, where 0 is the minimum value (no degree of satisfaction) and 10 the maximum value (maximum degree of satisfaction).

EVALUATION AND RECKONING OF THE INSTRUMENTAL RESULTS

The statistical analysis was performed using **Paired t-test**: we decided to fix the threshold of acceptability at 5%.

EVALUATION OF CLINICAL PARAMETRS

The statistical analysis was performed using the Wilcoxon rank sum test: we decided to fix the threshold of acceptability at 5%.
To carry out a statistical survey and to be able to evaluate the skin variations in a specific period, the following skin parameters have been analysed:

Macrowrinkleness - expression lines visibility	
None visibility of macrowrinkleness - expression lines	Absent
Slightly visible macrowrinkleness - expression lines	Slight
Moderatly visible macrowrinkleness - expression lines	Moderate
Evident macrowrinkleness - expression lines	Evident
Very evident visibiliy/shape/color of dark spots	Very evident

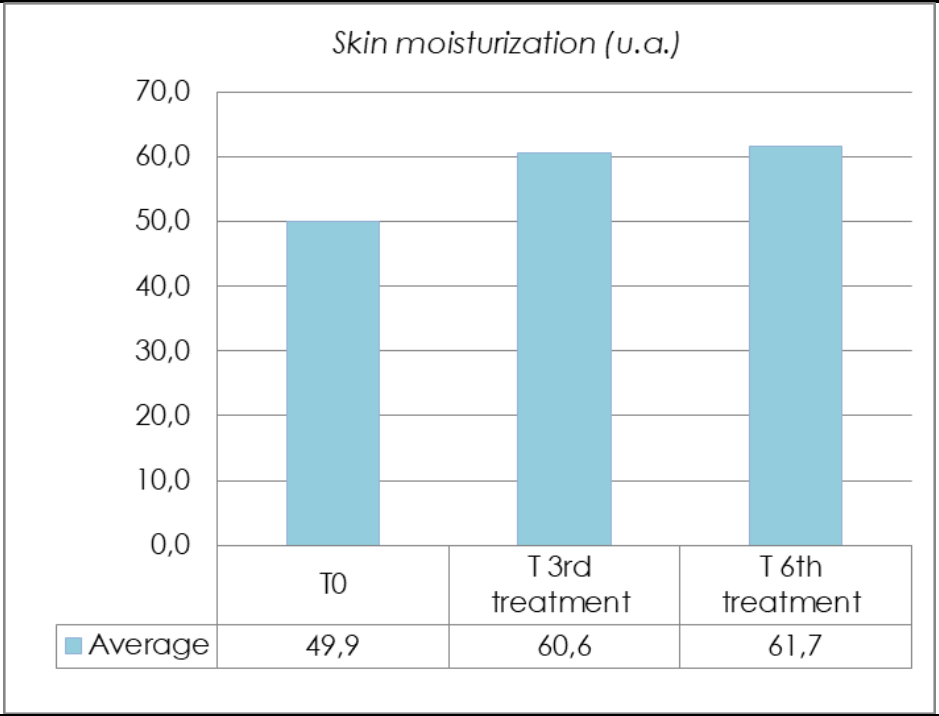
Skin compactness/smoothness/softness/brightness	
Insufficient skin compactness/smoothness/softness/brightness	Insufficient
Sufficient skin compactness/smoothness/softness/brightness	Sufficient
Fairly good skin compactness/smoothness/softness/brightness	Fairly good
Good skin compactness/smoothness/softness/brightness	Good
Very good skin compactness/smoothness/softness/brightness	Very good

The variations of the skin parameters are reported in the summarizing tables and in the charts.

SUMMARIZING TABLES OF THE VALUES

INSTRUMENTAL PARAMETERS

Skin moisturization (u.a.)			
Vol. ref	T0	T 3rd treatment	T 6th treatment
1	46,5	59,5	55,4
2	52,9	62,9	64,3
3	44,8	59,7	57,8
4	46,0	55,0	52,8
5	52,9	65,7	68,2
6	53,8	59,8	62,0
7	50,9	61,7	69,6
8	52,3	57,8	64,6
9	48,4	59,9	63,9
10	52,0	60,6	61,7
11	46,6	59,3	54,7
12	51,7	65,7	65,1
Average	49,9	60,6	61,7

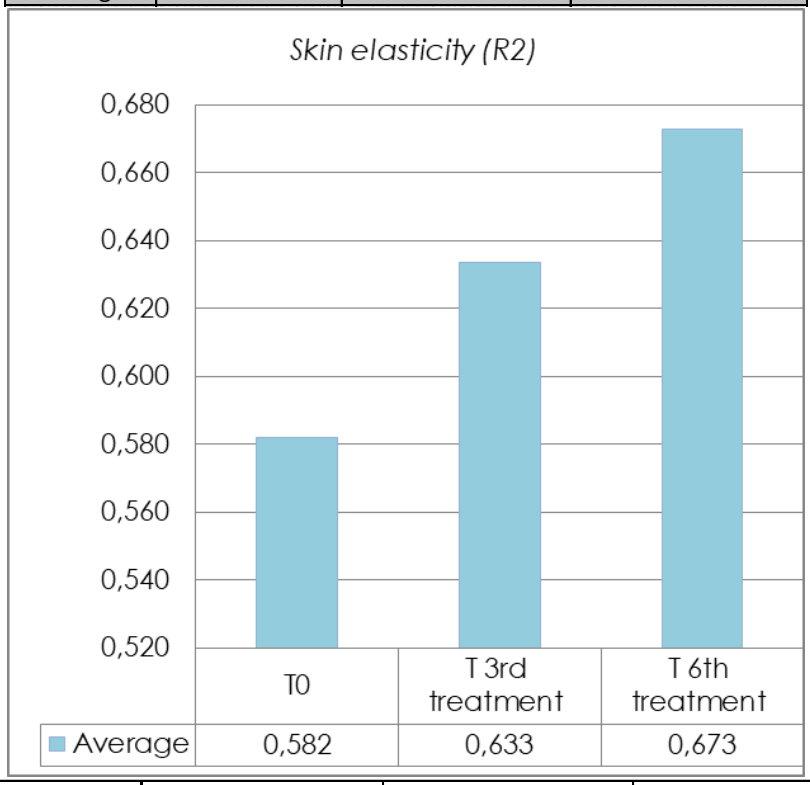


Survey times	Number of observations	Average	Standard deviation	p-value	Significance (p-value<0,05)
T0	12	49,9	3,2127587		
T3rd	12	60,6	3,0532645	8,68928E-08	**yes**
T6th	12	61,7	5,3887298	2,08368E-07	**yes**

Skin moisturization improves of:

- 22% after the 3rd session of the treatment (statistically significant)
- 24% after the 6th session of the treatment (statistically significant)

Skin elasticity (R2)			
Vol. ref	T0	T 3rd treatment	T 6th treatment
1	0,571	0,652	0,695
2	0,601	0,644	0,702
3	0,604	0,689	0,721
4	0,523	0,546	0,601
5	0,583	0,633	0,657
6	0,554	0,629	0,679
7	0,608	0,653	0,698
8	0,545	0,581	0,622
9	0,531	0,591	0,623
10	0,709	0,733	0,761
11	0,548	0,620	0,631
12	0,608	0,631	0,683
Average	0,582	0,633	0,673

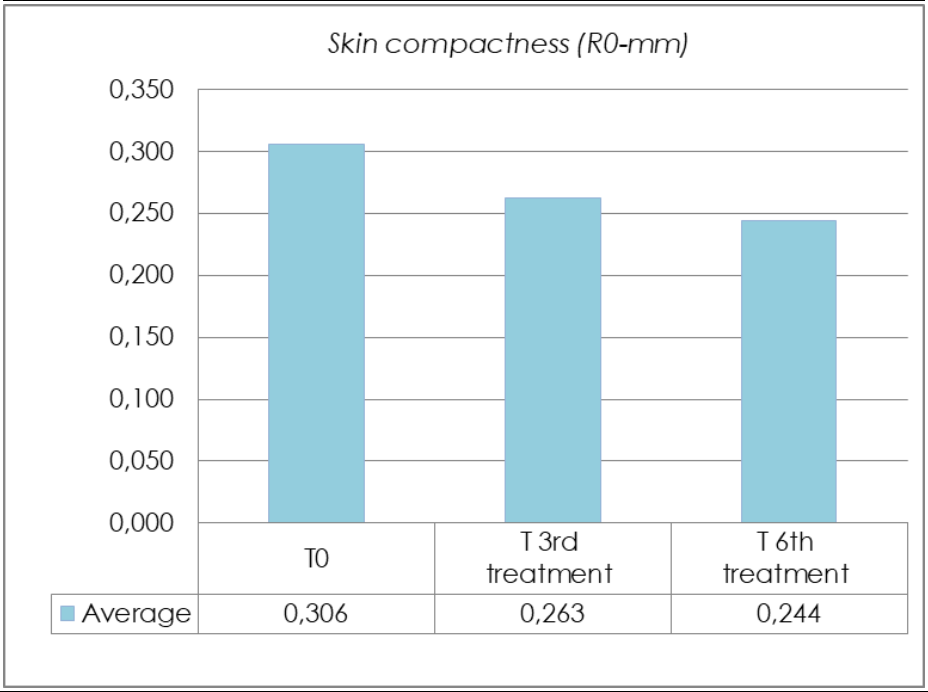


Survey times	Number of observations	Average	Standard deviation	p-value	Significance (p-value<0,05)
T0	12	0,582	0,0502993		
T3rd	12	0,633	0,0488583	8,69573E-06	**yes**
T6th	12	0,673	0,0471321	2,30084E-08	**yes**

Skin elasticity improves of:

- 9% after the 3rd session of the treatment (statistically significant)
- 16% after the 6th session of the treatment (statistically significant)

Skin compactness (R0-mm)			
Vol. ref	T0	T 3rd treatment	T 6th treatment
1	0,299	0,243	0,231
2	0,284	0,255	0,206
3	0,280	0,241	0,223
4	0,362	0,332	0,302
5	0,293	0,255	0,235
6	0,321	0,234	0,231
7	0,304	0,268	0,232
8	0,314	0,286	0,271
9	0,354	0,281	0,266
10	0,256	0,238	0,223
11	0,341	0,284	0,272
12	0,266	0,234	0,239
Average	0,306	0,263	0,244

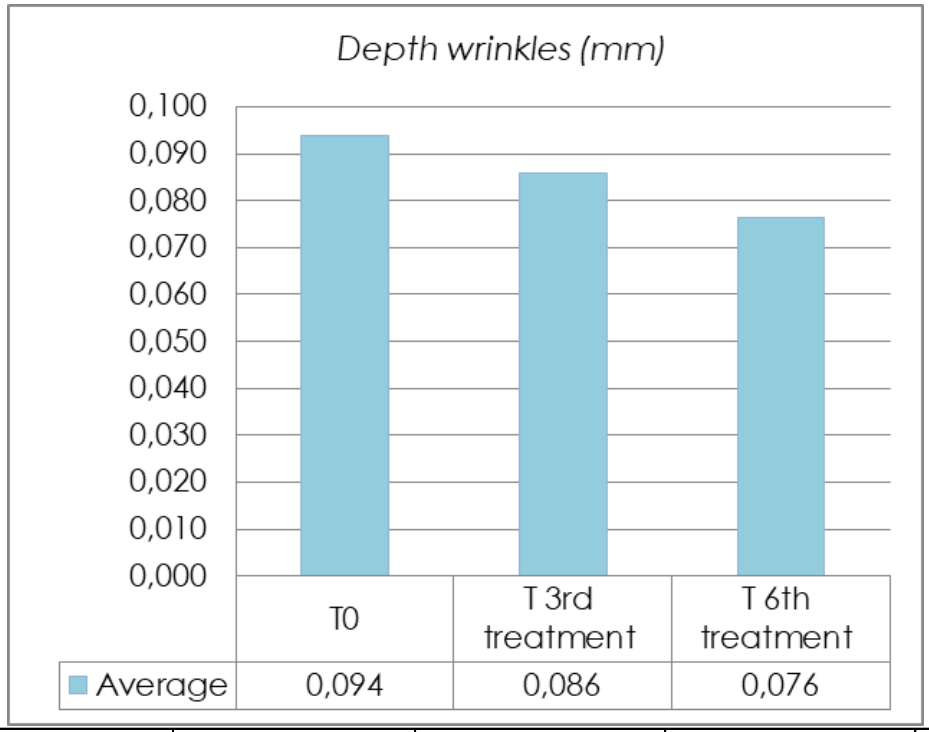


Survey times	Number of observations	Average	Standard deviation	p-value	Significance (p-value<0,05)
T0	12	0,306	0,0336231		
T3rd	12	0,263	0,0292278	1,42184E-05	**yes**
T6th	12	0,244	0,0274263	3,54765E-07	**yes**

Skin compactness improves of:

- 14% after the 3rd session of the treatment (statistically significant)
- 20% after the 6th session of the treatment (statistically significant)

Depth of wrinkles (mm)			
Vol. ref	T0	T 3rd treatment	T 6th treatment
1	0,114	0,097	0,092
2	0,084	0,071	0,063
3	0,061	0,060	0,051
4	0,089	0,087	0,082
5	0,070	0,070	0,063
6	0,131	0,108	0,085
7	0,103	0,075	0,069
8	0,094	0,092	0,085
9	0,066	0,065	0,058
10	0,093	0,086	0,081
11	0,126	0,122	0,108
12	0,097	0,095	0,079
Average	0,094	0,086	0,076

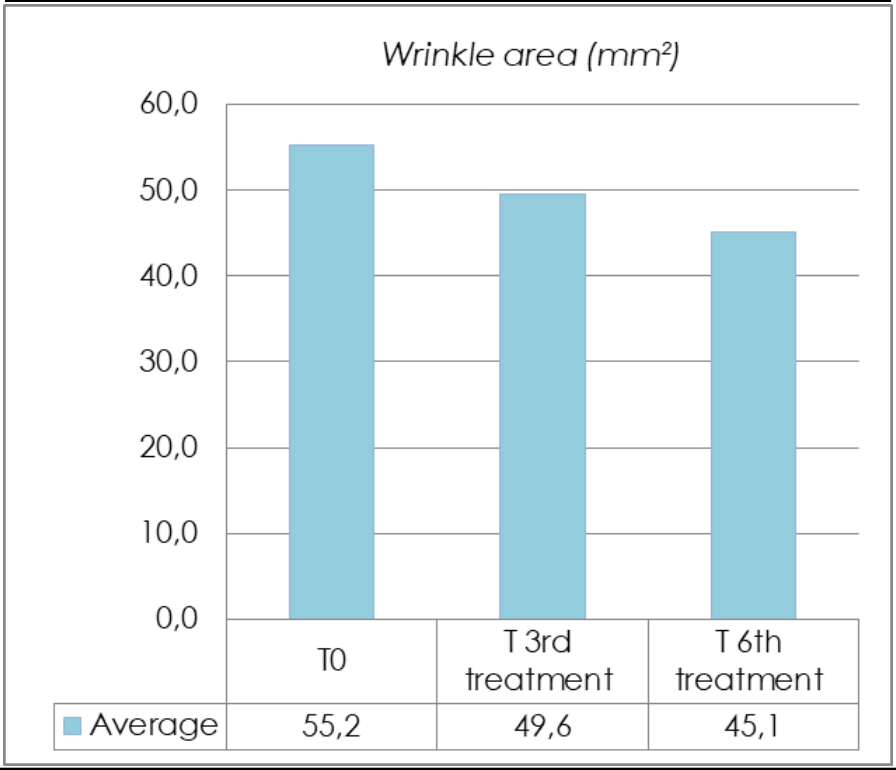


Survey times	Number of observations	Average	Standard deviation	p-value	Significance (p-value<0,05)
T0	12	0,094	0,0222527		
T3rd	12	0,086	0,0184424	0,013566549	**yes**
T6th	12	0,076	0,0160700	0,000381125	**yes**

Wrinkles depth decreases of:

- 9% after the 3rd session of the treatment (statistically significant)
- 19% after the 6th session of the treatment (statistically significant)

Wrinkle area (mm²)			
Vol. ref	T0	T 3rd treatment	T 6th treatment
1	34,2	31,2	29,4
2	50,0	37,6	36,4
3	52,6	46,3	31,9
4	33,5	32,0	29,7
5	85,0	75,3	71,4
6	60,6	58,3	41,9
7	79,3	55,1	51,0
8	49,3	49,0	47,1
9	41,2	40,4	35,7
10	41,5	40,6	40,4
11	81,0	78,4	76,9
12	54,7	51,1	48,9
Average	55,2	49,6	45,1



Survey times	Number of observations	Average	Standard deviation	p-value	Significance (p-value<0,05)
T0	12	55,242	17,9090357		
T3rd	12	49,608	15,2772236	0,016941057	**yes**
T6th	12	45,058	15,4049259	0,001870604	**yes**

Wrinkles area decreases of:

- 10% after the 3rd session of the treatment (statistically significant)
- 18% after the 6th session of the treatment (statistically significant)

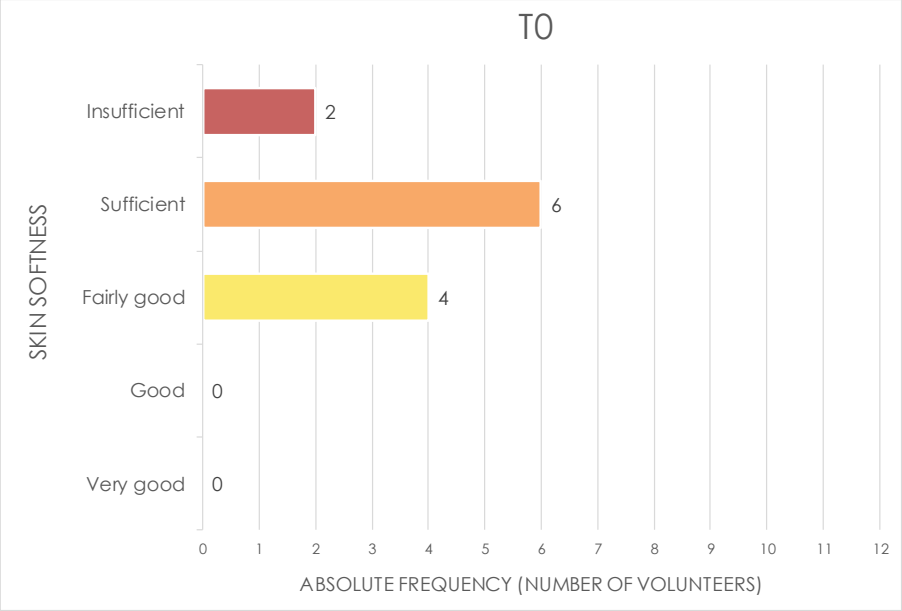
CLINICAL PARAMETERS

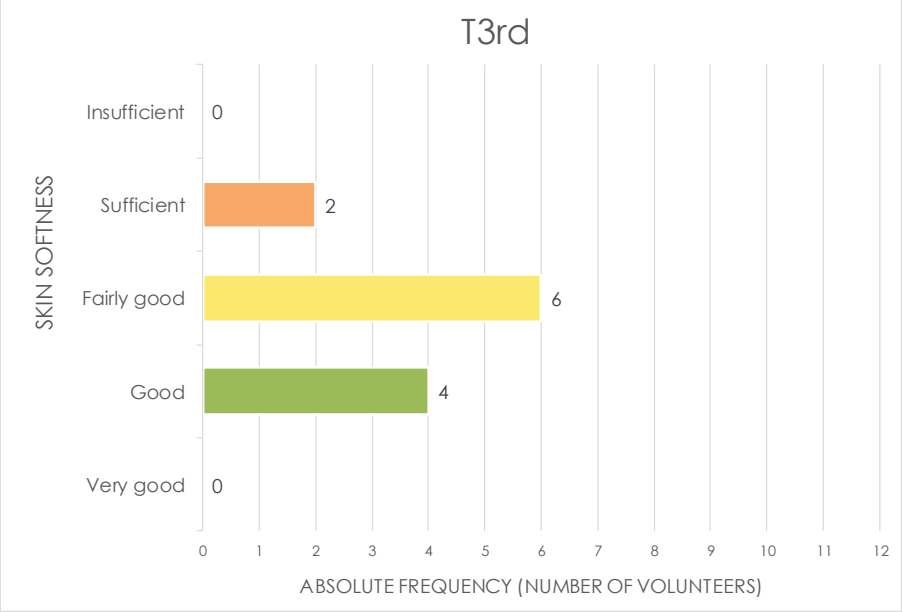
Skin softness			
Panellist code	**T0**	**T3RD**	**T6TH**
1	Sufficient	Fairly good	Fairly good
2	Fairly good	Good	Good
3	Insufficient	Fairly good	Fairly good
4	Insufficient	Sufficient	Fairly good
5	Fairly good	Good	Good
6	Sufficient	Fairly good	Fairly good
7	Fairly good	Good	Good
8	Sufficient	Sufficient	Fairly good
9	Sufficient	Fairly good	Good
10	Sufficient	Fairly good	Fairly good
11	Sufficient	Fairly good	Fairly good
12	Fairly good	Good	Good
Median	Sufficient	Fairly good	Fairly good
Average	Sufficient	Fairly good	Fairly good

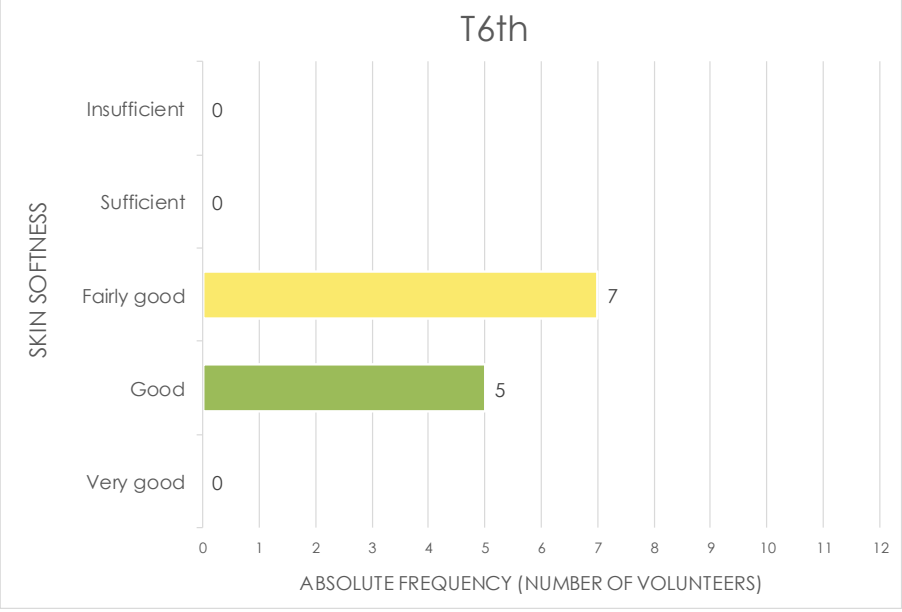
a	***0,05***	**Code**	**2**				**Significance**
T0 - T3rd	n	11	T	0	T-crit	10	**yes**
T0 - T6th	n	12	T	0	T-crit	13	**yes**

Skin softness improves in the:

- 92% of the volunteers after the 3rd session of the treatment (statistically significant)
- 100% of the volunteers after the 6th session of the treatment (statistically significant)


T0
SKIN SOFTNESS
Insufficient
Sufficient
Fairly good
Good
Very good
2
6
4
0
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)


T3rd
SKIN SOFTNESS
Insufficient
Sufficient
Fairly good
Good
Very good
0
2
6
4
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)


T6th
SKIN SOFTNESS
Insufficient
Sufficient
Fairly good
Good
Very good
0
0
7
5
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)

Skin compactness			
Panellist code	**T0**	**T3RD**	**T6TH**
1	Sufficient	Fairly good	Fairly good
2	Sufficient	Sufficient	Fairly good
3	Sufficient	Fairly good	Fairly good
4	Sufficient	Sufficient	Sufficient
5	Sufficient	Sufficient	Fairly good
6	Insufficient	Sufficient	Sufficient
7	Insufficient	Sufficient	Fairly good
8	Insufficient	Sufficient	Sufficient
9	Insufficient	Sufficient	Sufficient
10	Sufficient	Sufficient	Fairly good
11	Insufficient	Sufficient	Sufficient
12	Sufficient	Fairly good	Fairly good
Median	Sufficient	Sufficient	Fairly good
Average	Sufficient	Sufficient	Fairly good

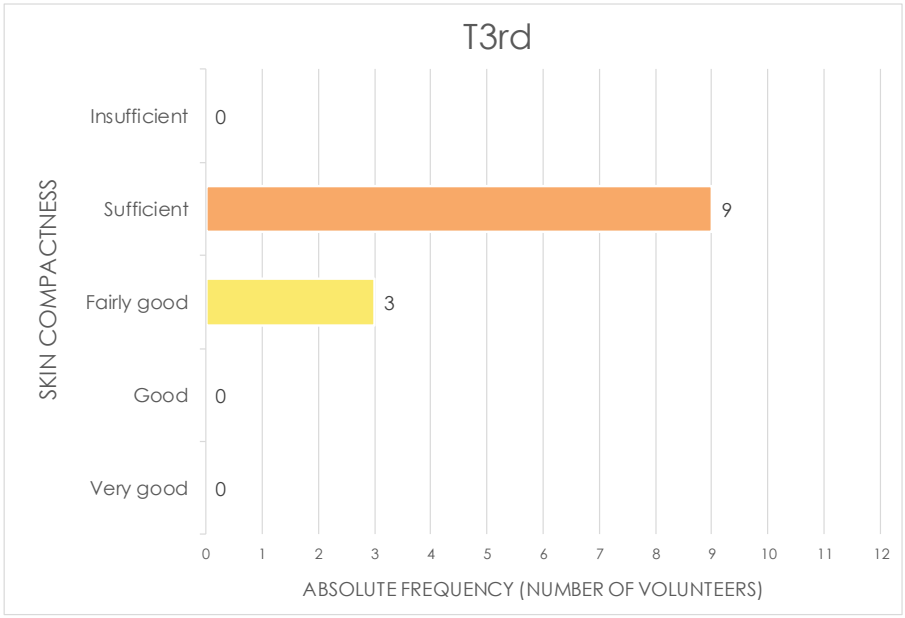
a	***0,05***	**Code**	**2**

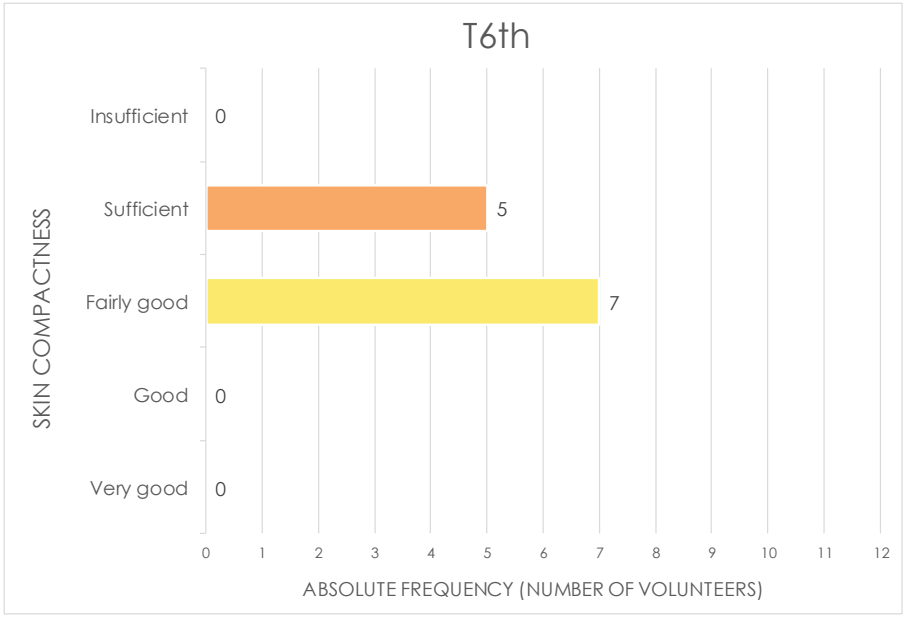
							Significance
T0 - T3rd	n	8	T	0	T-crit	3	**yes**
T0 - T6th	n	11	T	0	T-crit	10	**yes**

Skin compactness improves in the:

- 67% of the volunteers after the 3rd session of the treatment (statistically significant)
- 92% of the volunteers after the 6th session of the treatment (statistically significant)


T0
SKIN COMPACTNESS
Insufficient
Sufficient
Fairly good
Good
Very good
5
7
0
0
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)


T3rd
SKIN COMPACTNESS
Insufficient
Sufficient
Fairly good
Good
Very good
0
9
3
0
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)

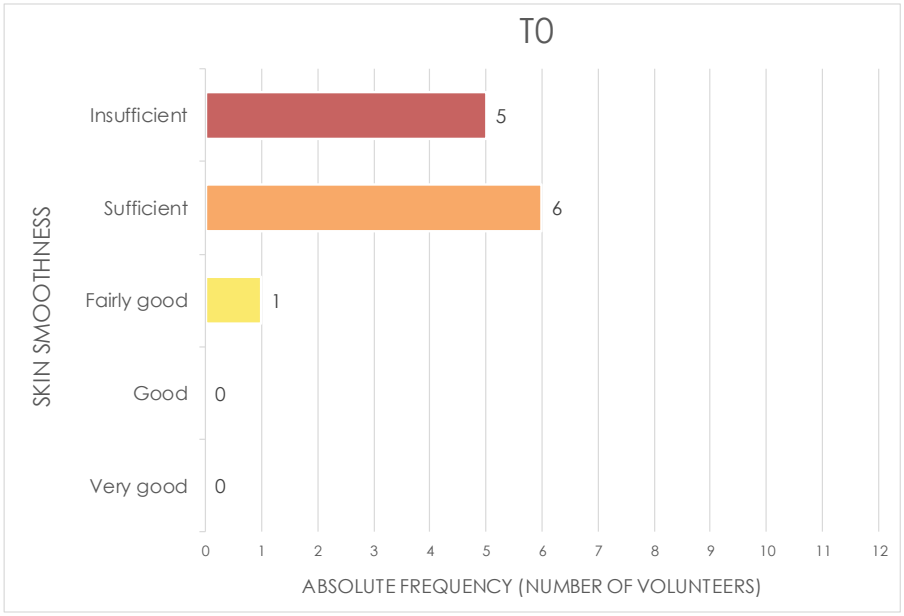

T6th
SKIN COMPACTNESS
Insufficient
Sufficient
Fairly good
Good
Very good
0
5
7
0
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)

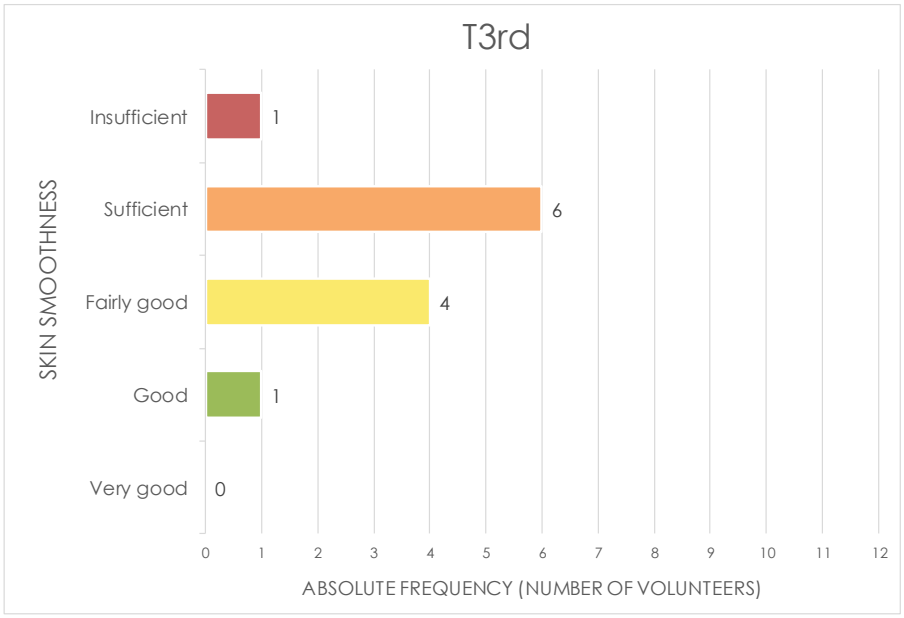
Skin smoothness			
Panellist code	**T0**	**T3RD**	**T6TH**
1	Sufficient	Fairly good	Good
2	Sufficient	Fairly good	Good
3	Fairly good	Good	Good
4	Sufficient	Sufficient	Sufficient
5	Sufficient	Sufficient	Fairly good
6	Insufficient	Sufficient	Sufficient
7	Sufficient	Fairly good	Good
8	Insufficient	Insufficient	Sufficient
9	Insufficient	Sufficient	Sufficient
10	Sufficient	Fairly good	Fairly good
11	Insufficient	Sufficient	Fairly good
12	Insufficient	Sufficient	Sufficient
Median	Sufficient	Sufficient	Fairly good
Average	Sufficient	Sufficient	Fairly good

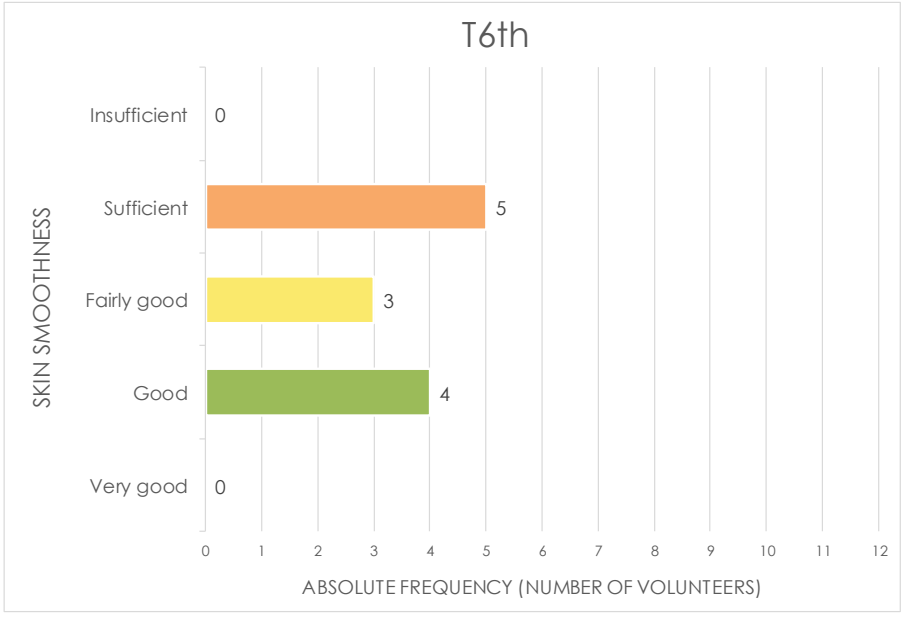
a	***0,05***	**Code**	**2**				**Significance**
T0 - T3rd	n	9	T	0	T-crit	5	**yes**
T0 - T6th	n	11	T	0	T-crit	10	**yes**

Skin smoothness improves in the:

- 75% of the volunteers after the 3rd session of the treatment (statistically significant)
- 92% of the volunteers after the 6th session of the treatment (statistically significant)


T0
SKIN SMOOTHNESS
Insufficient
Sufficient
Fairly good
Good
Very good
5
6
1
0
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)


T3rd
SKIN SMOOTHNESS
Insufficient
Sufficient
Fairly good
Good
Very good
1
6
4
1
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)

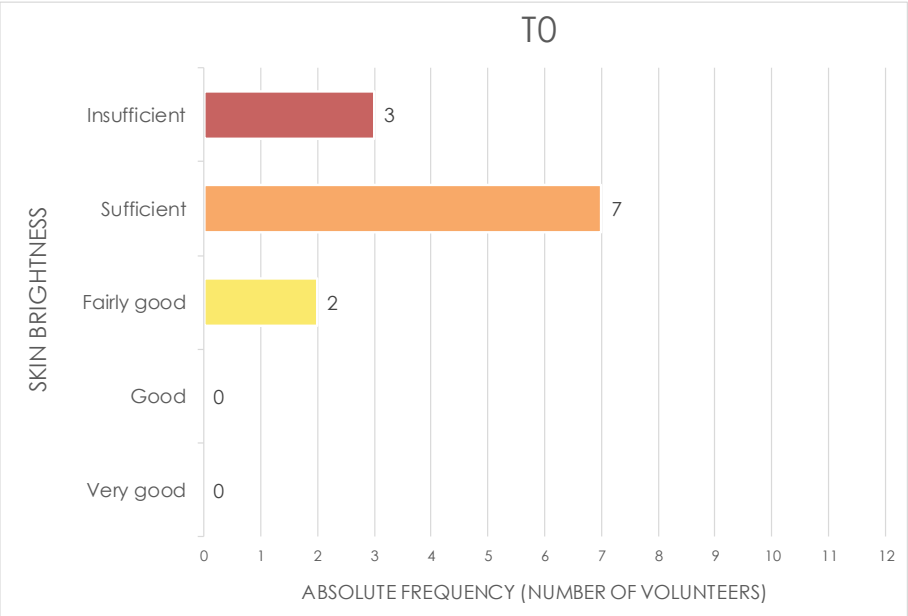

T6th
SKIN SMOOTHNESS
Insufficient
Sufficient
Fairly good
Good
Very good
0
5
3
4
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)

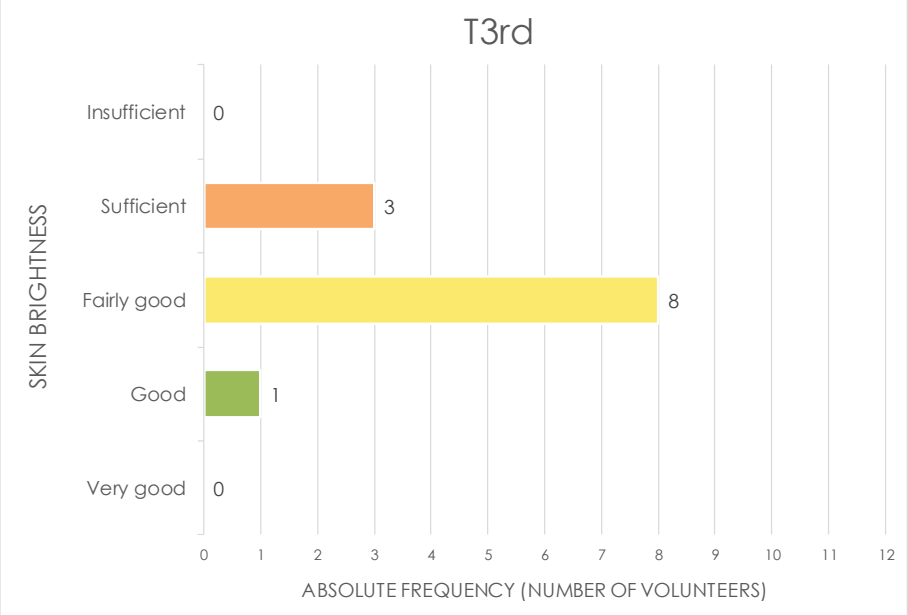
Skin brightness			
Panellist code	**T0**	**T3RD**	**T6TH**
1	Fairly good	Good	Good
2	Sufficient	Fairly good	Fairly good
3	Sufficient	Fairly good	Fairly good
4	Sufficient	Fairly good	Fairly good
5	Fairly good	Fairly good	Fairly good
6	Sufficient	Fairly good	Fairly good
7	Sufficient	Fairly good	Good
8	Sufficient	Fairly good	Fairly good
9	Sufficient	Fairly good	Fairly good
10	Insufficient	Sufficient	Sufficient
11	Insufficient	Sufficient	Fairly good
12	Insufficient	Sufficient	Sufficient
Median	Sufficient	Fairly good	Fairly good
Average	Sufficient	Fairly good	Fairly good

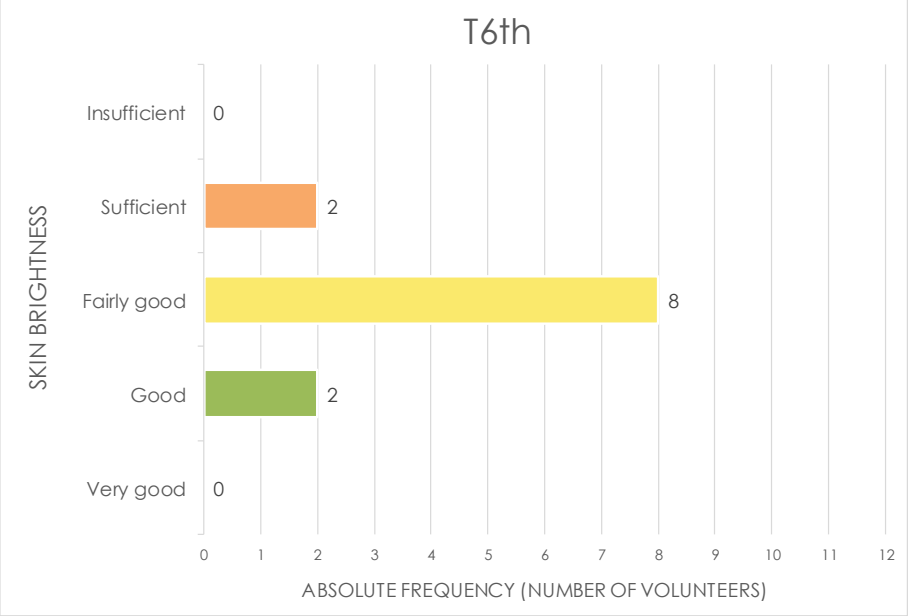
a	***0,05***	**Code**	**2**				**Significance**
T0 - T3rd	n	11	T	0	T-crit	10	**yes**
T0 - T6th	n	11	T	0	T-crit	10	**yes**

Skin brightness improves in the:

- 92% of the volunteers after the 3rd session of the treatment (statistically significant)
- 92% of the volunteers after the 6th session of the treatment (statistically significant)


T0
SKIN BRIGHTNESS
Insufficient
Sufficient
Fairly good
Good
Very good
3
7
2
0
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)


T3rd
SKIN BRIGHTNESS
Insufficient
Sufficient
Fairly good
Good
Very good
0
3
8
1
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)

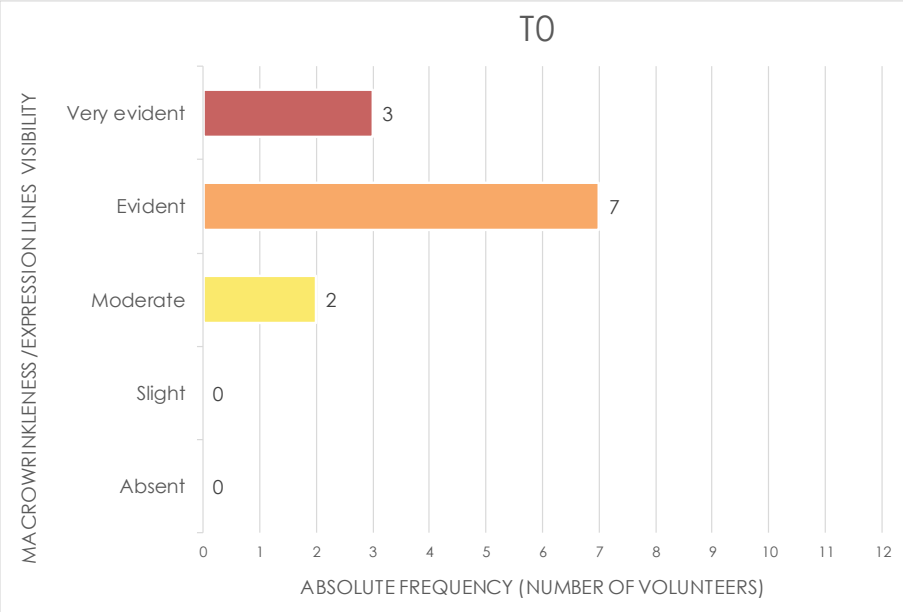

T6th
SKIN BRIGHTNESS
Insufficient
Sufficient
Fairly good
Good
Very good
0
2
8
2
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)

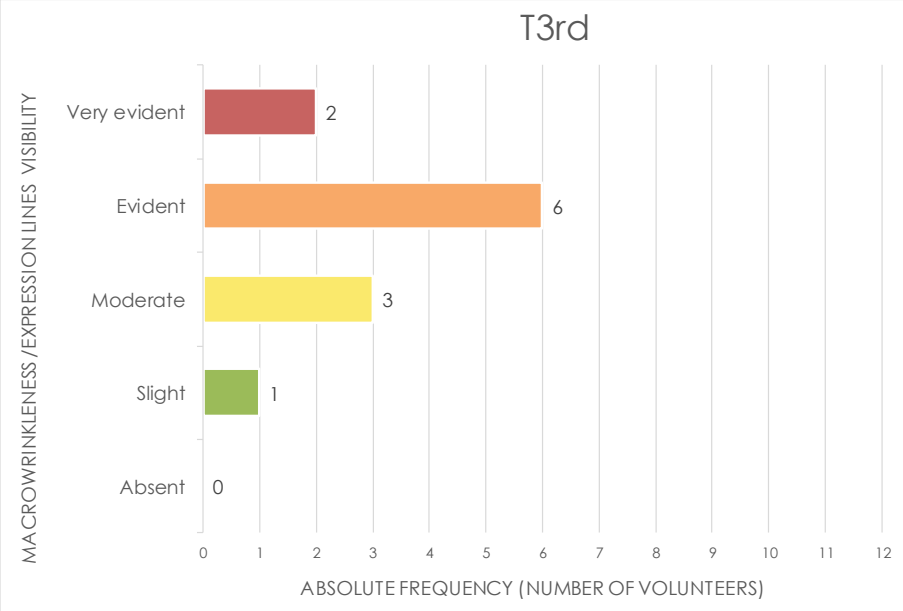
Macrowrinkleness /expression lines visibility			
Panellist code	**T0**	**T3RD**	**T6TH**
1	Evident	Moderate	Moderate
2	Evident	Moderate	Moderate
3	Moderate	Slight	Slight
4	Evident	Evident	Evident
5	Evident	Evident	Evident
6	Very evident	Evident	Evident
7	Evident	Evident	Moderate
8	Very evident	Very evident	Very evident
9	Evident	Evident	Evident
10	Evident	Evident	Moderate
11	Very evident	Very evident	Evident
12	Moderate	Moderate	Moderate
Median	Evident	Evident	Evident
Average	Evident	Evident	Evident

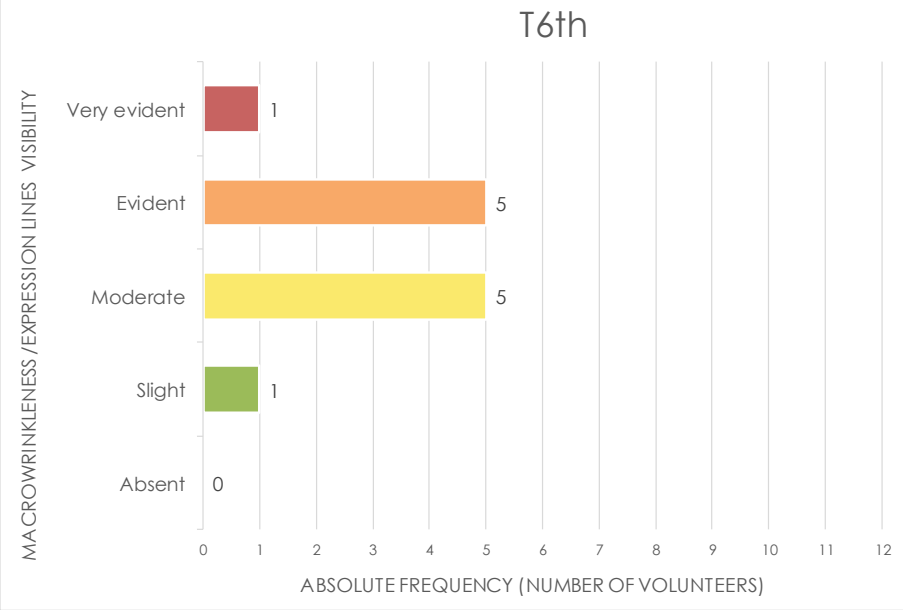
a	***0,05***	**Code**	**2**				**Significance**
T0 - T3rd	n	4	T	0	T-crit	--	**no**
T0 - T6th	n	7	T	0	T-crit	2	**yes**

Macrowrinkleness /expression lines visibility decreases in the:

- 33% of the volunteers after the 3rd session of the treatment (no statistically significant)
- 58% of the volunteers after the 6th session of the treatment (statistically significant)

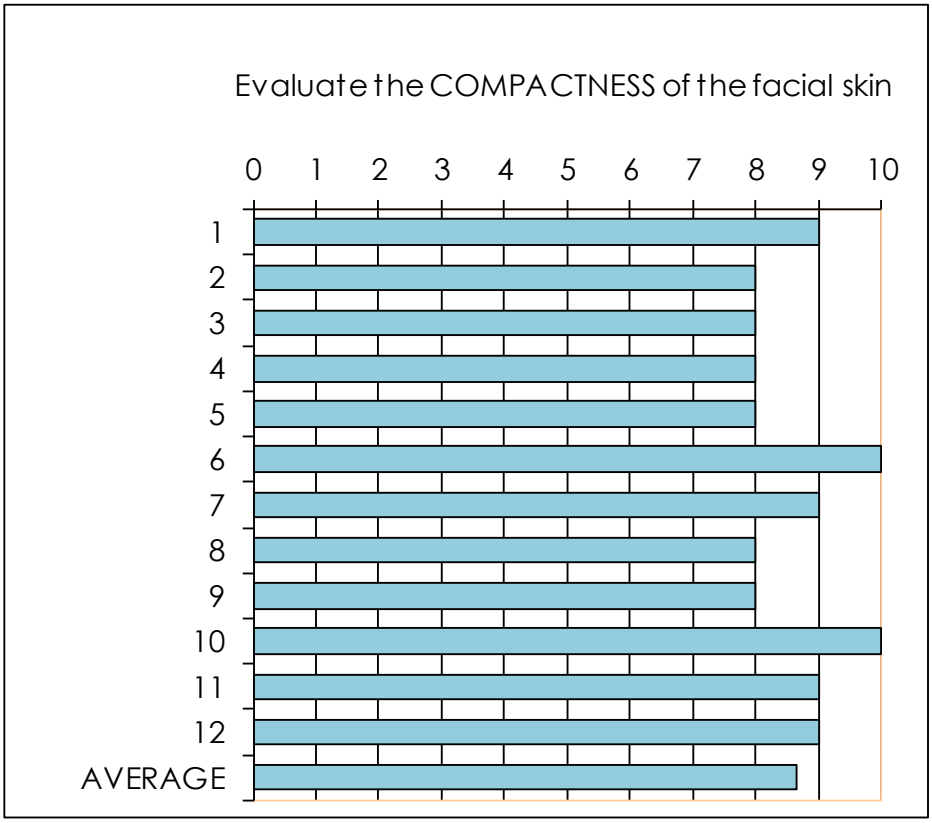

T0
MACROWRINKLENESS /EXPRESSION LINES VISIBILITY
Very evident
Evident
Moderate
Slight
Absent
3
7
2
0
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)


T3rd
MACROWRINKLENESS /EXPRESSION LINES VISIBILITY
Very evident
Evident
Moderate
Slight
Absent
2
6
3
1
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)

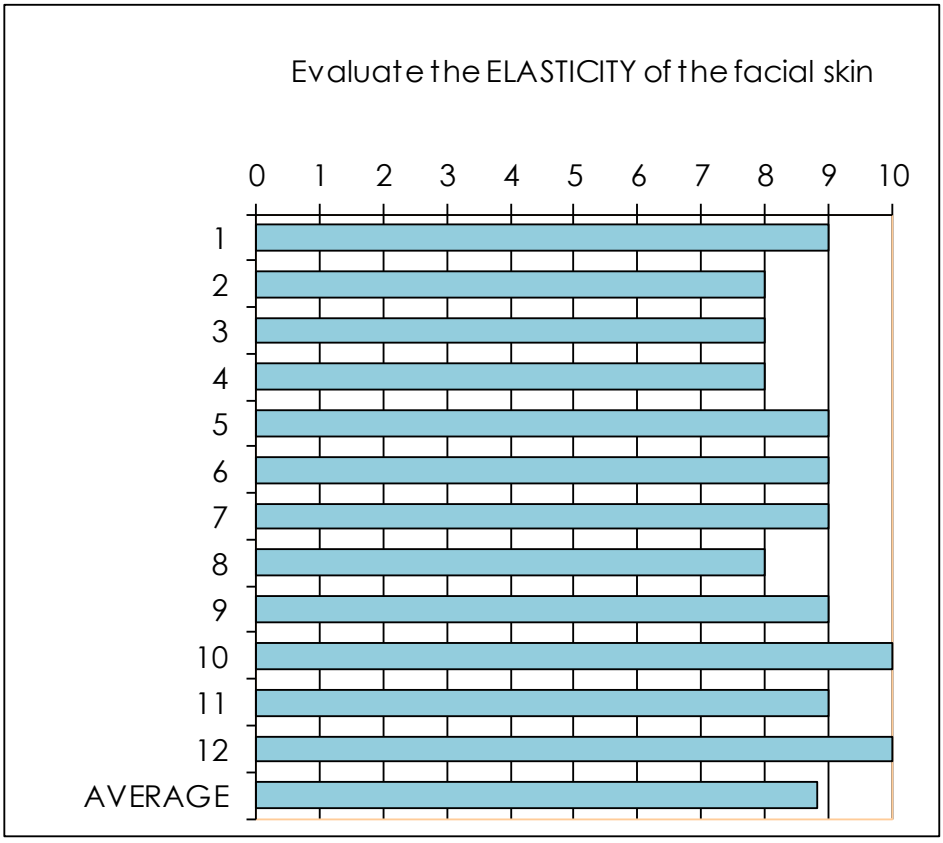

T6th
MACROWRINKLENESS /EXPRESSION LINES VISIBILITY
Very evident
Evident
Moderate
Slight
Absent
1
5
5
1
0
0 1 2 3 4 5 6 7 8 9 10 11 12
ABSOLUTE FREQUENCY (NUMBER OF VOLUNTEERS)

SELF-EVALUATIONS

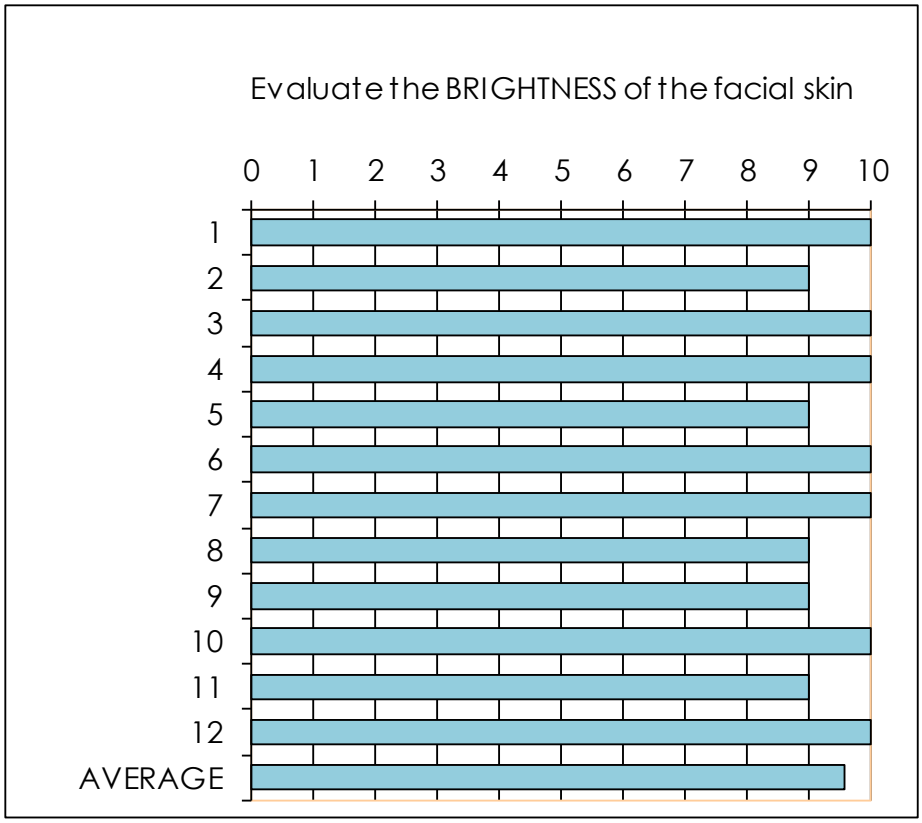
Panellist code	after 6 treatments
1	9
2	8
3	8
4	8
5	8
6	10
7	9
8	8
9	8
10	10
11	9
12	9
AVERAGE	8,67



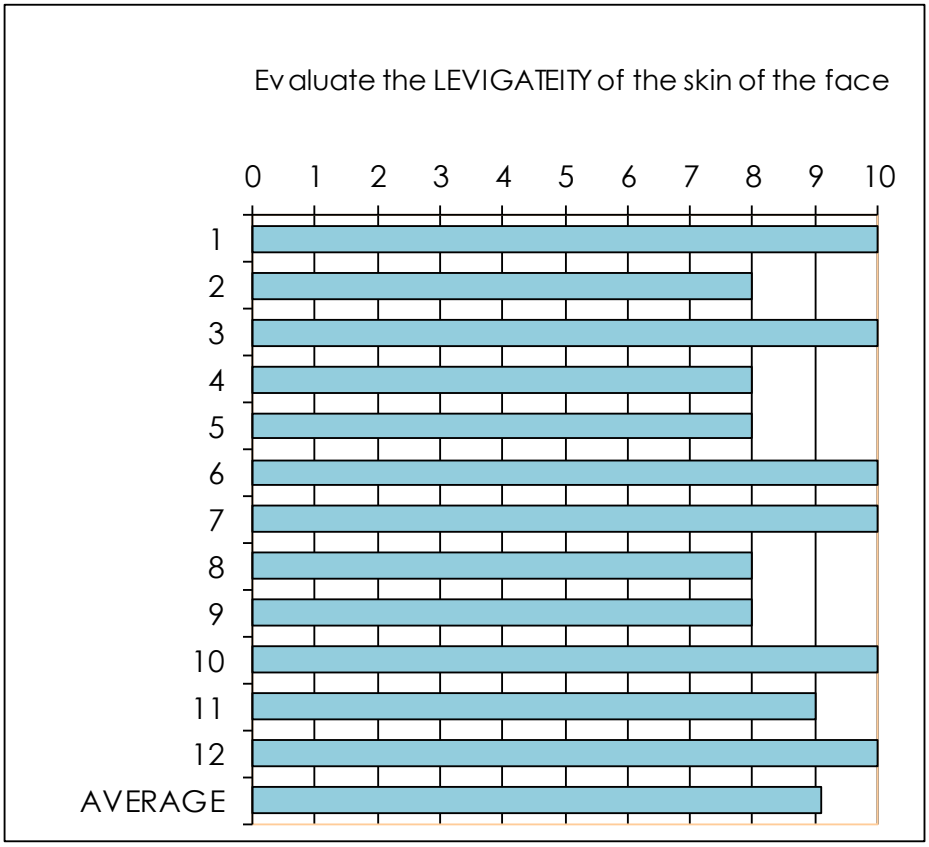
Panellist code	after 6 treatments
1	9
2	8
3	8
4	8
5	9
6	9
7	9
8	8
9	9
10	10
11	9
12	10
AVERAGE	8,83



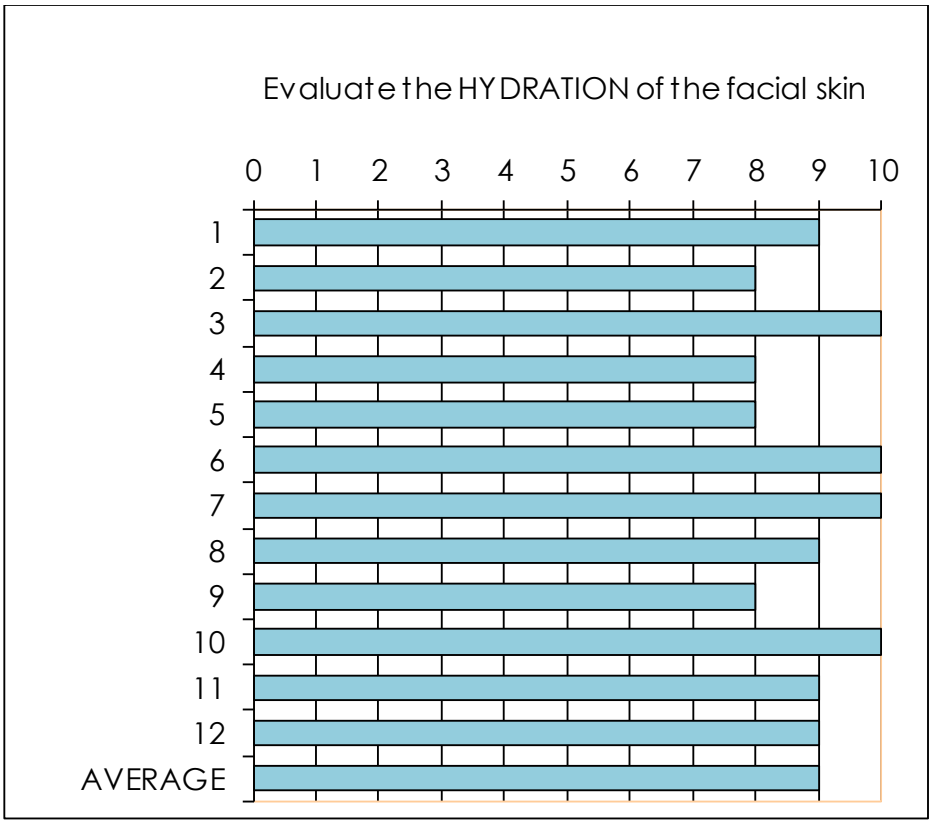
Panellist code	after 6 treatments
1	10
2	9
3	10
4	10
5	9
6	10
7	10
8	9
9	9
10	10
11	9
12	10
AVERAGE	9,58



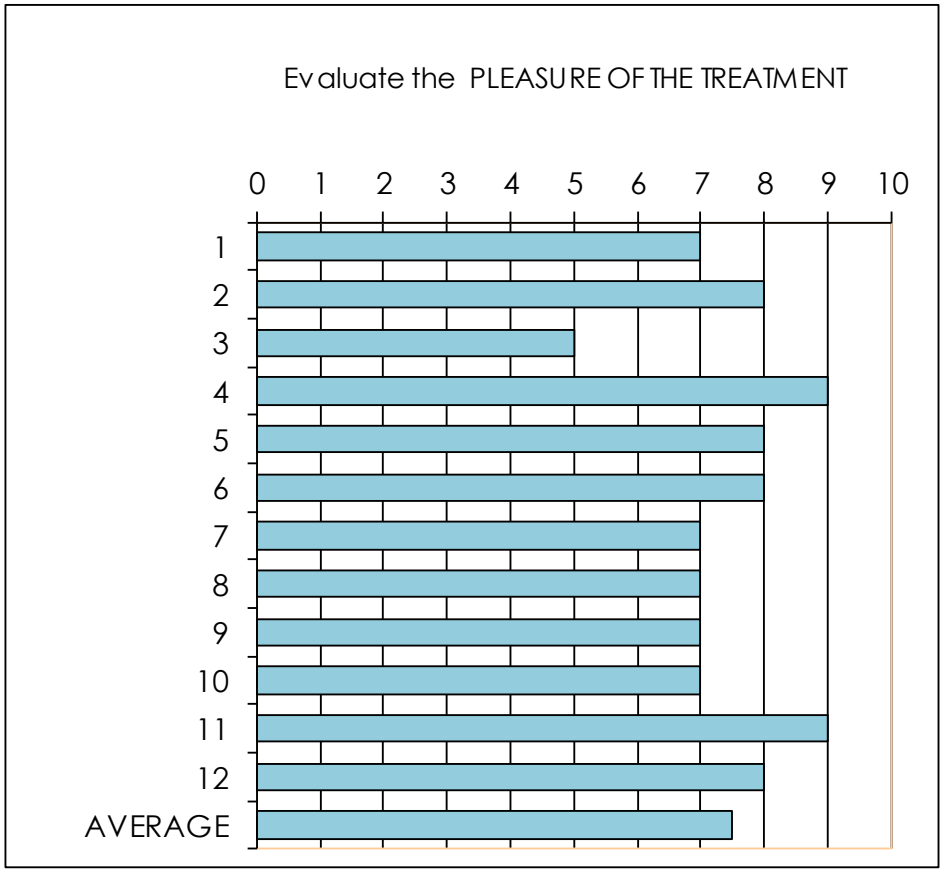
Panellist code	after 6 treatments
1	10
2	8
3	10
4	8
5	8
6	10
7	10
8	8
9	8
10	10
11	9
12	10
AVERAGE	9,08



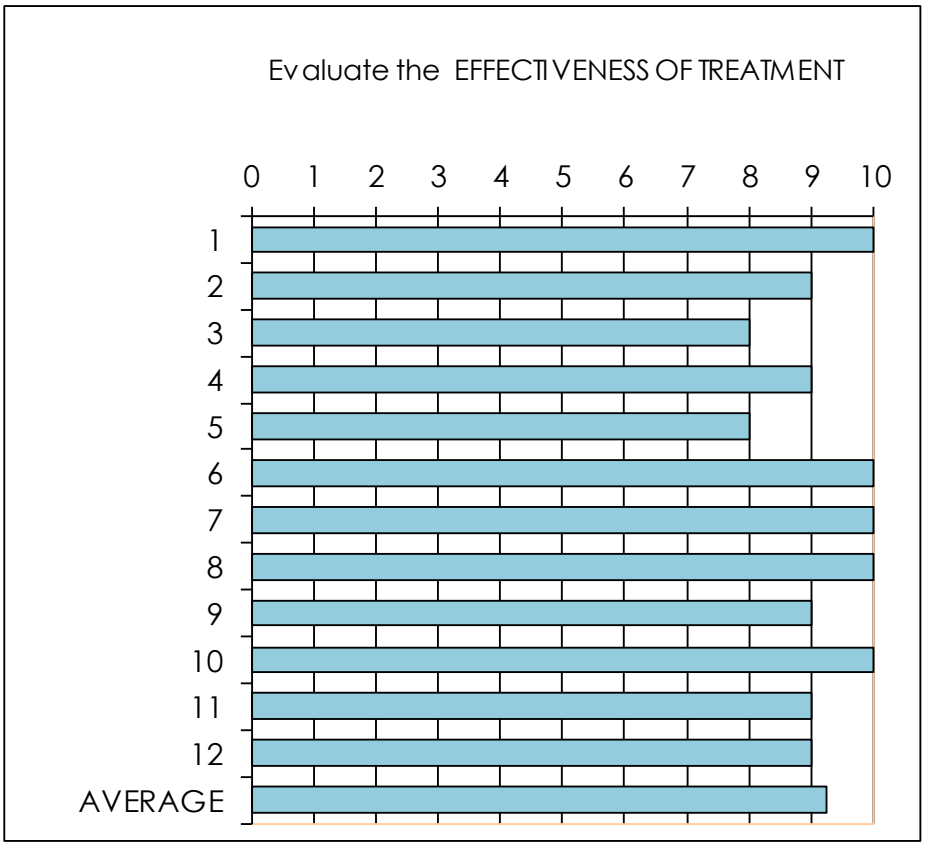
Panellist code	after 6 treatments
1	9
2	8
3	10
4	8
5	8
6	10
7	10
8	9
9	8
10	10
11	9
12	9
AVERAGE	9,00



Panellist code	after 6 treatments
1	7
2	8
3	5
4	9
5	8
6	8
7	7
8	7
9	7
10	7
11	9
12	8
AVERAGE	7,50



Panellist code	after 6 treatments
1	10
2	9
3	8
4	9
5	8
6	10
7	10
8	10
9	9
10	10
11	9
12	9
AVERAGE	9,25



CONCLUSIONS

According to the obtained results, we can state that, on a preliminary basis, the professional cosmetic treatment:

JET POWER BIPHASIC PROTOCOL

in the volunteers who underwent the clinical test, has proved to have an effect in:

- reducing wrinkles depth and wrinkles area
- improving skin compactness, skin elasticity and skin moisturization
- improving skin brightness, skin smoothness, skin softness
- reducing marowrinkles and expression lines

Moreover, the treatment has proved to have a very good acceptability.

Sperimentatore / *Experimenter*
Dott. Fernando Marco BIANCHI

Monitor
Prof. Plinio RICHELMI

Dr. Claudio Angelinetta
Quality Control
Bio Basic Europe S.r.l. – Milano - Italy

Documento firmato digitalmente ai sensi delle normative vigenti, che garantisce l'avvenuta validazione da parte di tutti i soggetti.
This document has been digitally signed, in compliance with any applicable law, ensuring the effective validation by all the subjects.

BIBLIOGRAPHY

Regulation (EC) no1223/2009 of the European Parliament and of the council of 30 November 2009 on cosmetic products.

Declaration of Helsinki - ethical principles for medical research involving human subjects adopted by the 18th wma general assembly, Helsinki, Finland, june 1964, and consecutive amendments (last amendment: 64th wma general assembly, Fortaleza, Brasil, October 2013)

Guidelines for the evaluation of the efficacy of cosmetic products, revised version may 2008 Cosmetics Europe – The personal care association -