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POSTURAL IMPLICATION AND MANAGEMENT OF THE GRAVITATIONAL FIELD IN THE FIBROMYALGIA AND IN ITS SYMPTOMS OF PAIN AND PANIC [3]

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Abstract: *47 fibromyalgic man is being treated for the pain as he reports pain diffused to the back and the neck. This pain leads him into a panic state. He is being treated with the B.A.E. method for 4 months. The painrelieved a bit but they are not yet removed, the structural change is very important, with the Thermography we analysed the variation and the quantity of work done by the superficial muscles. Method: person with scoliosis and postural disturbs all'over the body, pain and panic treated clinically as a fibromyalgic has been associated to the B.A.E. method.*

Key Words: *Posture, Biomeccanic Antropometric Ergonomic method, fibromyalgia, back and neck pain, panic crisis.*

JEL Codes: I 10, I 20

INTRODUCTION

The person is a 47 years old man, he arrives with pain diffused at the back, neck and at the joints temporo-mandibular. He is being treated with analgesic therapies normally used for the fibromyalgia with not satisfactory outcomes.

We started, in association to the clinical treatment, a B.A.E. treatment and we have done a monitoring after 4 months as we will later see in the photographic images and in the thergoraphic images to verify the stuctural modifications of the body and the change in the use of the muscular chains correlated to the blood vessels and his thermic appearence.

EXPOSITION

Materials e Methods:

Biomeccanic Antropometric Ergonomic method B.A.E., Coal Industrial & Mining Supplie, tipe: HT-A2 Handheld IR camera, Baropodometer Footcheker Loran Eng., 2012

As we ca observe on Fig.1 at the Start the face shows evident asymmetry. We note that the left cheek is very different compared to the right one.

All the face appears bent on to the right.

[3] The paper is presented of October 24, 2019 at the scientific conference RU & SU'19 in the Health Promotion section with the original title: POSTURAL IMPLICATION AND MANAGEMENT OF THE GRAVITATIONAL FIELD IN THE FIBROMYALGIA AND IN ITS SYMPTOMS OF PAIN AND PANIC.

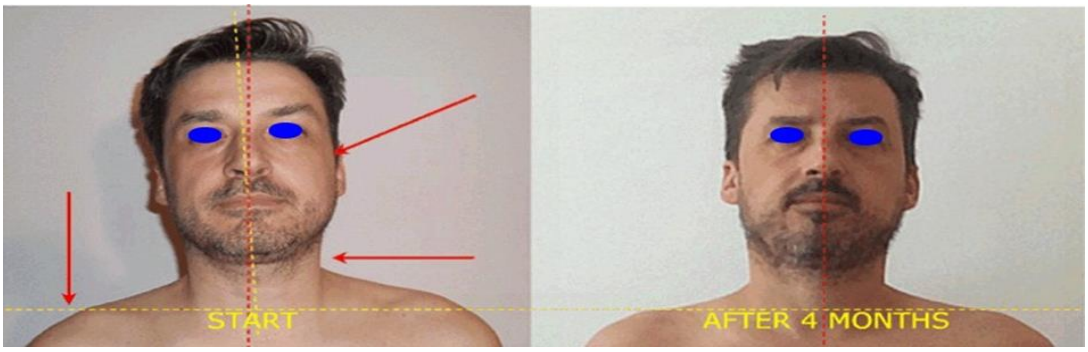
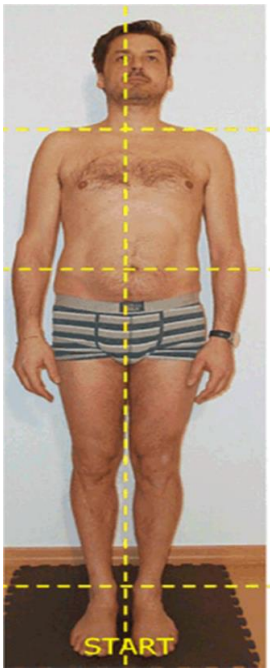


Fig. 1.



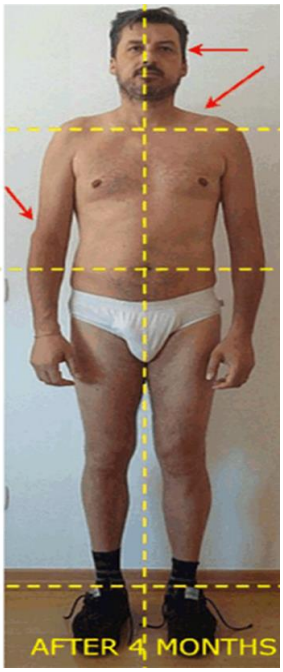


Fig. 2.

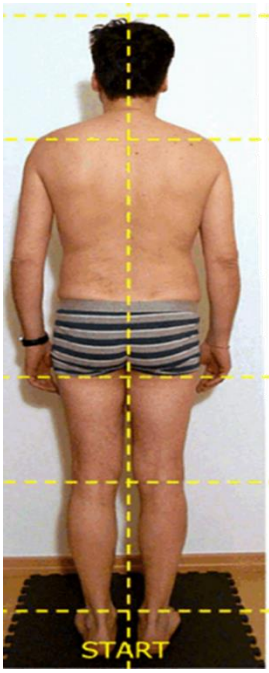
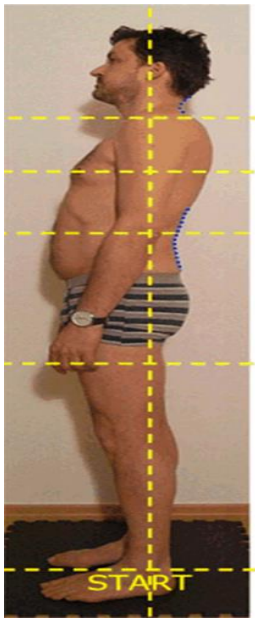


Fig. 3.



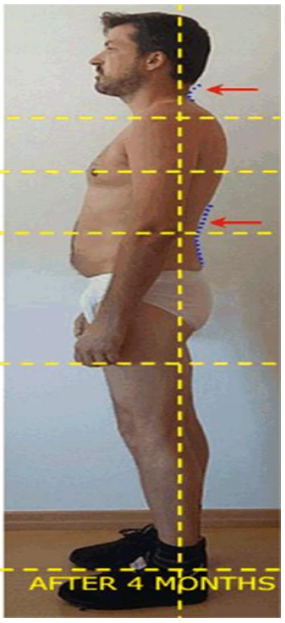
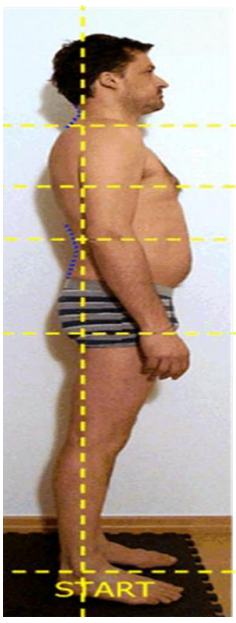


Fig. 4.



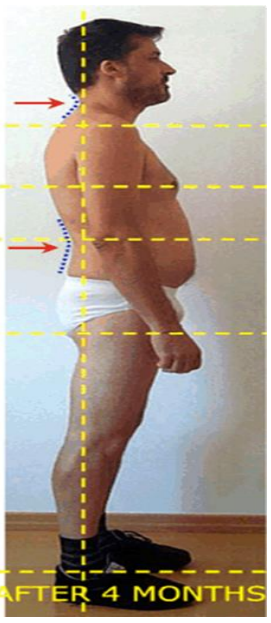


Fig. 5.

As we can observe in the images below the person results with an asymmetrycal posture in the projection all'over the planes Fig.2, Fig.3, Fig.4, Fig.5.

The person is obviously compressed with the altration of the lordosis curves of the rachis.

The situation, which was monitored clinically, reported the images here below.

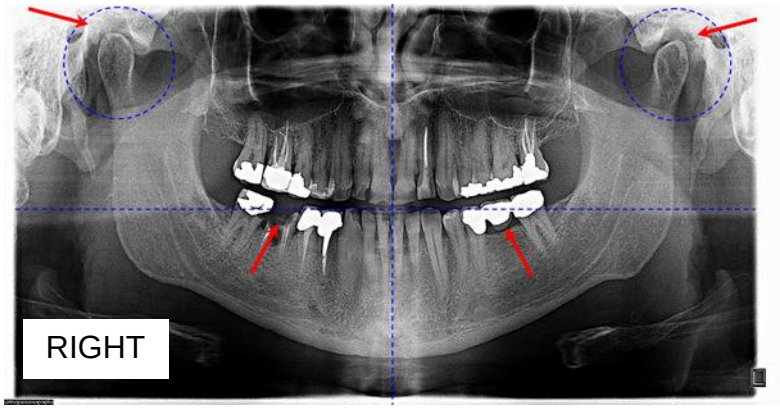


Fig. 6.

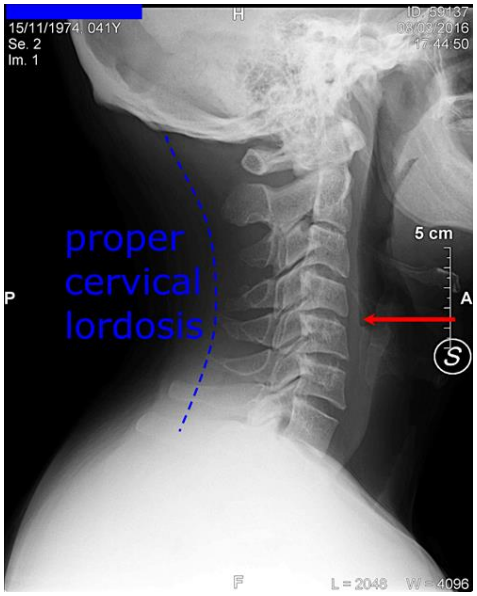


Fig. 7.

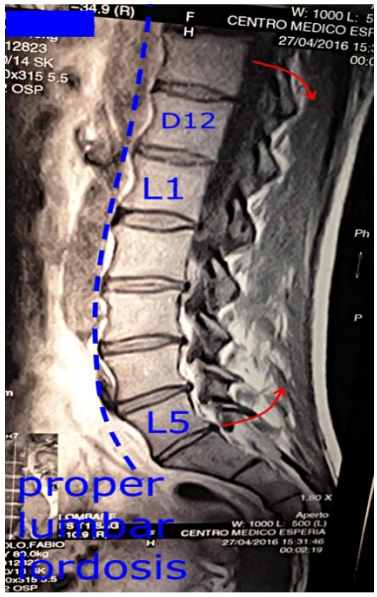


Fig. 8.

As we clearly observe in the images Fig.6 we have an alteration of the condilus of the ATM and of the occlusal plane, in Fig.7 and Fig.8 the lordosis curves of the column and lumbar are altered compared to the physiology with consequent morfological modification of the related vertebrae and we can observe alterations on the positions of the vertebrae.

As a consequence of this situation the person is in a condition of disadvantage in the managing of the gravitational field so that in the lumbar rachis tract we assist to an invertion of the position of the first vertebrae and even in the cervical tracts the third, the fourth and the fifth vertebrae results working in the opposite position to the physiological one.

If the position of some of the vertebrae are wrong it means that various groups of muscles for the necessity of postural adjustment, they are the fixed points in the wrong spinal attacks.

Considering that the body tends to adapt itself to the gravity following the demanding that comes from whole receptive system, we wanted to experiment how and how muchi t could be modified a situation as the precedentely described situation changing the environmental receptor signals using the B.A.E. method.

We used, in order to verify the correct of our doing, the thermography which allows us to see the muscles work in the various parts of the locomotor apparatus as we measure the heat emitted by the muscles work itself.

We can see on Fig.9 e Fig.10 the thermographical difference between before and after the 4 months treatment with the B.A.E. method with the use of ergonomic shoes and occlusal decoupling bites.

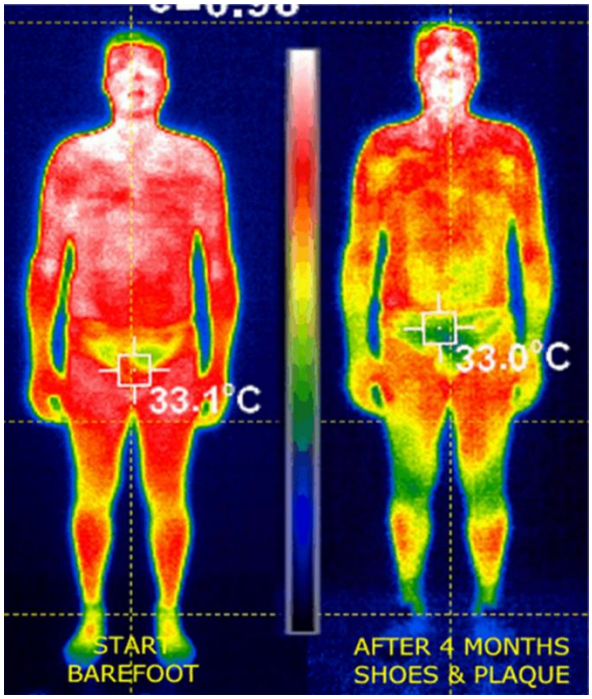


Fig. 9.

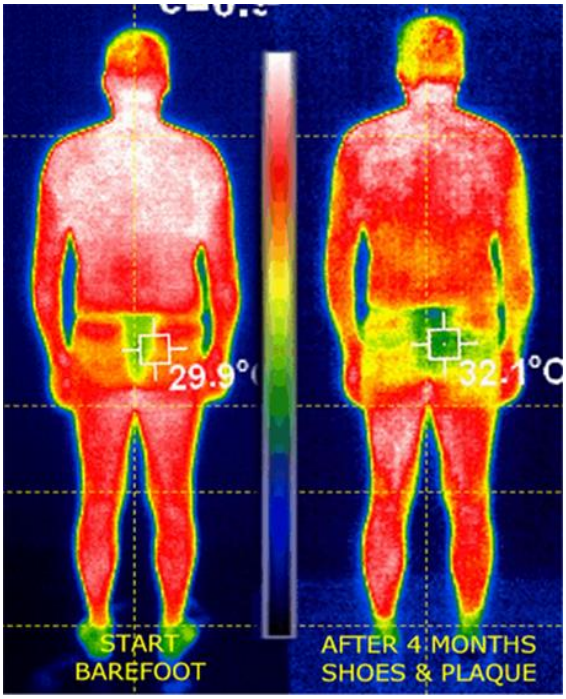


Fig. 10.

We can observe (see the scale of colours in the images) that after 4 months of treatment the posture is more symmetrical, the person is now more erect in counteracting more easily the gravity and the muscles shows a reduced consumption of energy, reduced of the white zones at higher muscle work with higher energy dixpenditure.

During these 4 moths w edone frequent manual postural resets in order to simplify the changing of the motory engram associated to a kinsitherapic reduction.

CONCLUSIONS

After 4 monthsof B.A.E. treatment, we evaluated the results following the parameters of the Biomeccanica Antropometricc Ergonomic method.

The situation is:

1. The symptoms of pain are highly reduced with the use of the ergonomics tutor made following the B.A.E. method.
2. The pharmacological treatment has been maintained for the first 2 months and successively reduced for the 50%. The person refers to have worn the shoes with great comfort daily and is been shown by the photographical improvement.

3. It is shown also in some cases of fibromyalgia particularly worsened is possible obtaining results never reached with the classical treatments of pain thanks to the associationto a postural improvement.

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