

PROMOITALIA™ Group





PROELLIXE & SURFACE EMG

A preliminary clinical study* by Dr Ch. Watson
D.C. from Mountain View, California . USA.

Dr Watson evaluates patients with different conditions ranging from back pain and stiffness, with postural issues as well as slightly overweight subjects including women with cellulite and circulatory insufficiencies.

(*This is an ongoing study)





PROELLIXE & SURFACE EMG

- Surface Electro Myo-Graphy is utilised to measure the muscles micro electrical activity in order to assess the balance or imbalance i/e paraspinal muscles; left side versus right side.
- The following tests show the difference before and after the action of 10 minutes on Proellixe.





SURFACE EMG

LEGEND

On the graph the muscles activity is measured and shown in **Blue** for the **left side** & in **Red** for the **right side**

We must consider 3 situations:

Ideal = No problem

Borderline = Some condition

Clinical = Functional condition

Each of these are correlated to a mv and to a percentage Difference range

Standing Neutral

Ideal: 10mv and below

Borderline: 10 to 15 mv

Clinical: 15 mv and above

Percentage Difference

Ideal: 20% and below

Borderline: 20% to 40

Clinical: 40% and above





SURFACE EMG

Observe the patient condition before Proellixe in his/her functional normal standing posture (Neutral) then in the corrected anatomical posture (all sagittal alignment back against wall).

See the mV muscle activity difference from one posture to the other and the % differential.

Then see what happens after the 10 minutes Proellixe.





SURFACE EMG

The left & right paraspinal muscle groups are tested with the patient standing up first in a neutral posture (functional posture) then in the corrected posture (anatomical).

The results chart below appears after each test with the corresponding measurements.

It is designed to show the differences between both sides in mV and also the percentage differential in both positions.

Postures Muscles	Neutral	Corrected
Left Paraspinal Muscle group	mV	mV
Left Paraspinal Muscle group	mV	mV
Percent Differential	%	%





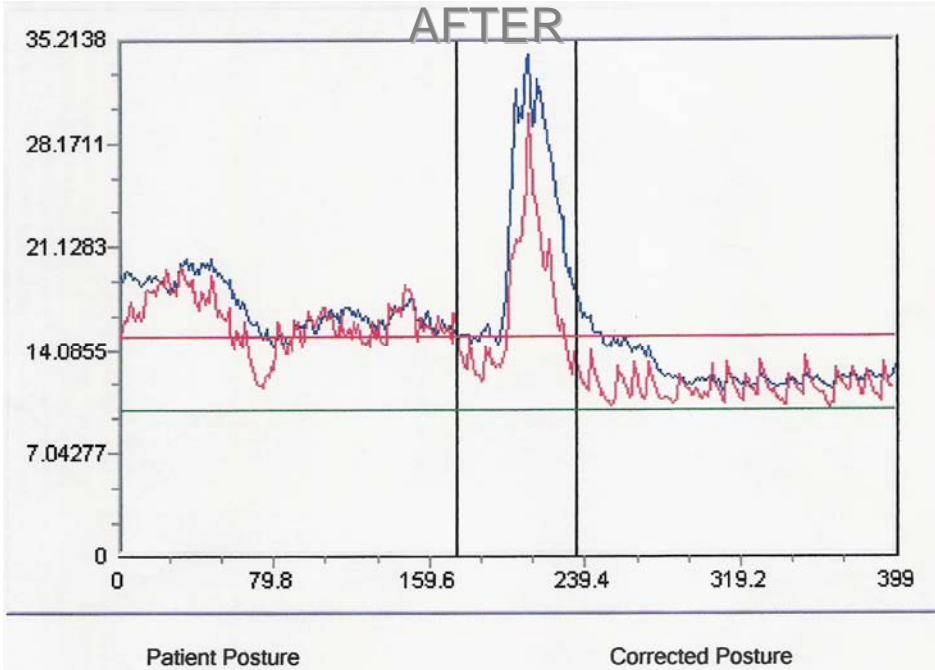
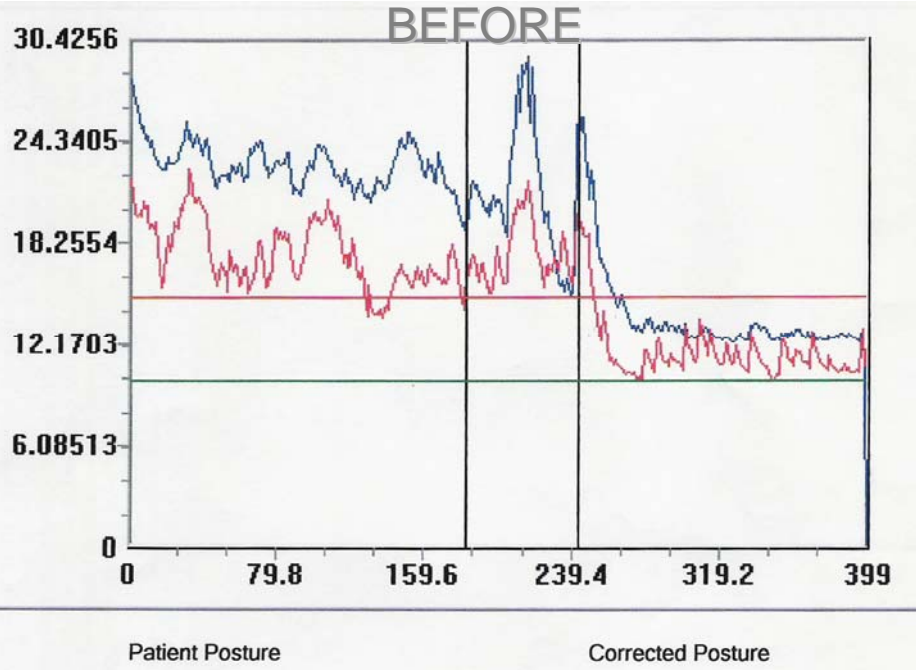
Before & After





Patient I

24 years old



Postures Muscles	Neutral	Corrected
Left Paraspinal Muscle group	22.83 mV	13.72 mV
Right Paraspinal Muscle group	17.46 mV	11.64 mV
Percent Differential	27.13885 %	16.51488 %

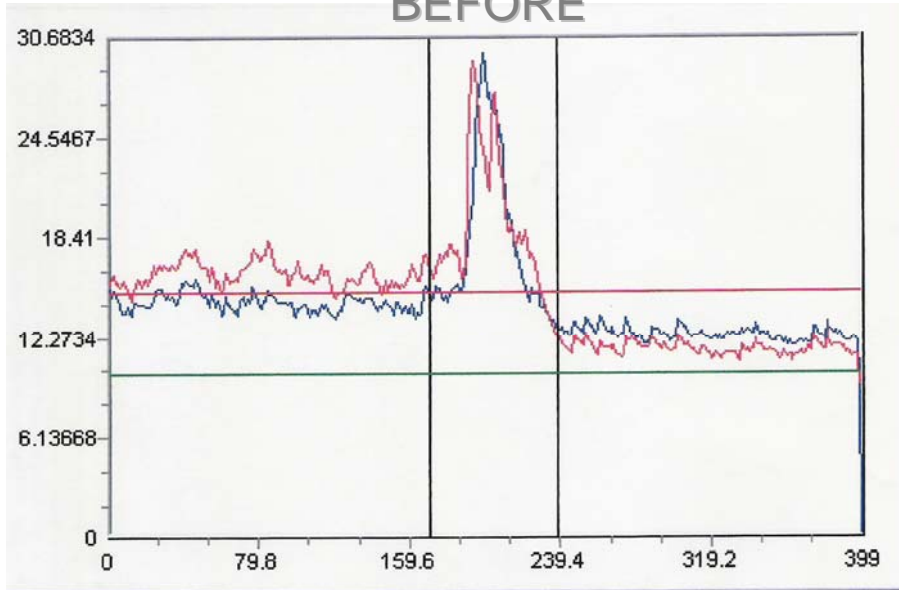
Postures Muscles	Neutral	Corrected
Left Paraspinal Muscle group	17.05 mV	12.6 mV
Right Paraspinal Muscle group	16.08 mV	11.52 mV
Percent Differential	5.86074%	8.973214 %



Patient II

55 years old

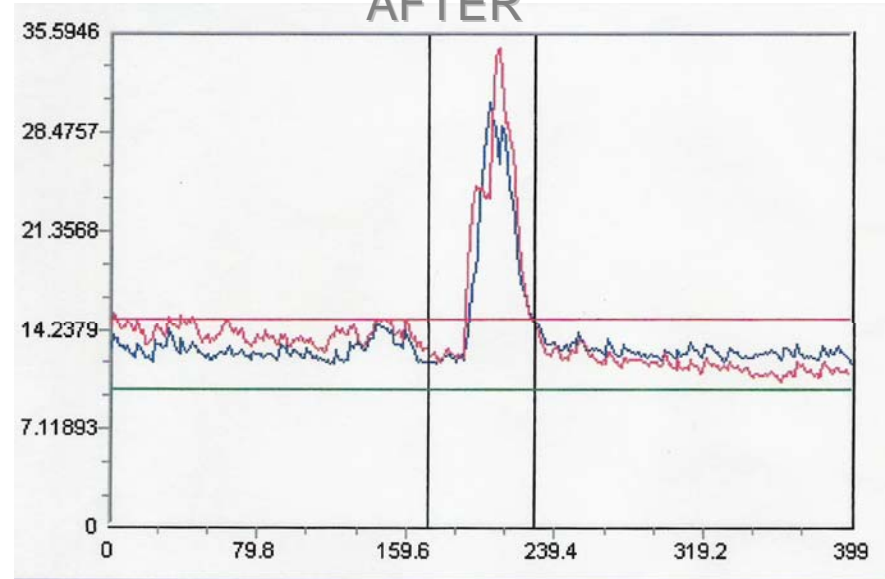
BEFORE



Patient Posture

Corrected Posture

AFTER



Patient Posture

Corrected Posture

Postures	Muscles	Neutral	Corrected
	Left Paraspinal Muscle group	14.45 mV	12.33 mV
	Right Paraspinal Muscle group	16.22 mV	11.46 mV
	Percent Differential	11.58079 %	7.323791 %

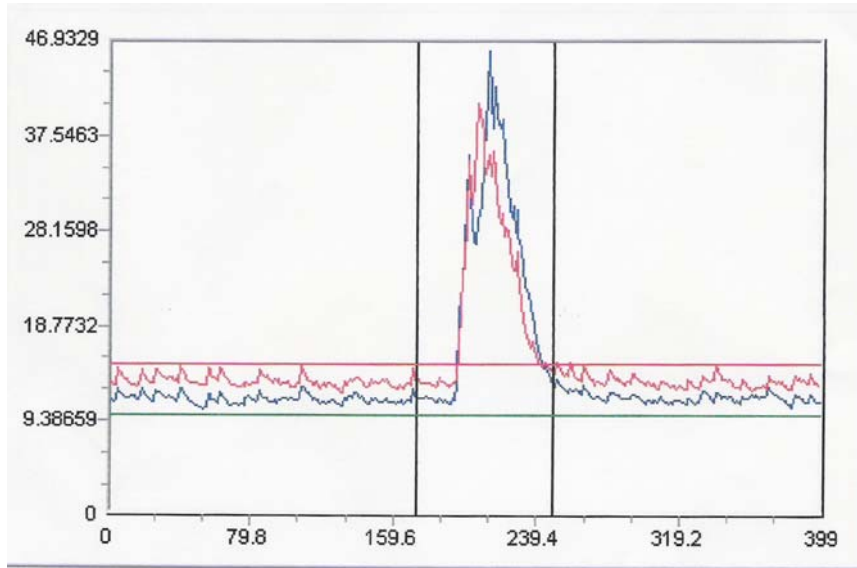
Postures	Muscles	Neutral	Corrected
	Left Paraspinal Muscle group	12.81 mV	12.64 mV
	Right Paraspinal Muscle group	13.95 mV	11.72 mV
	Percent Differential	8.535666 %	7.5641156 %



Patient III

72 years old

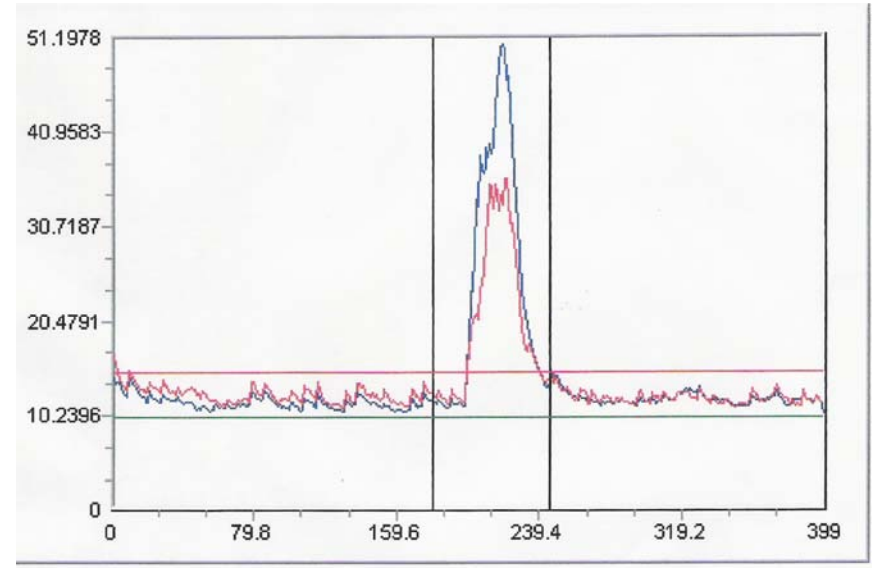
BEFORE



Patient Posture

Corrected Posture

AFTER



Patient Posture

Corrected Posture

Postures	Muscles	Neutral	Corrected
	Left Paraspinal Muscle group	11.56 mV	11.7 mV
	Right Paraspinal Muscle group	13.34 mV	13.29 mV
	Percent Differential	14.37062 %	12.77681 %

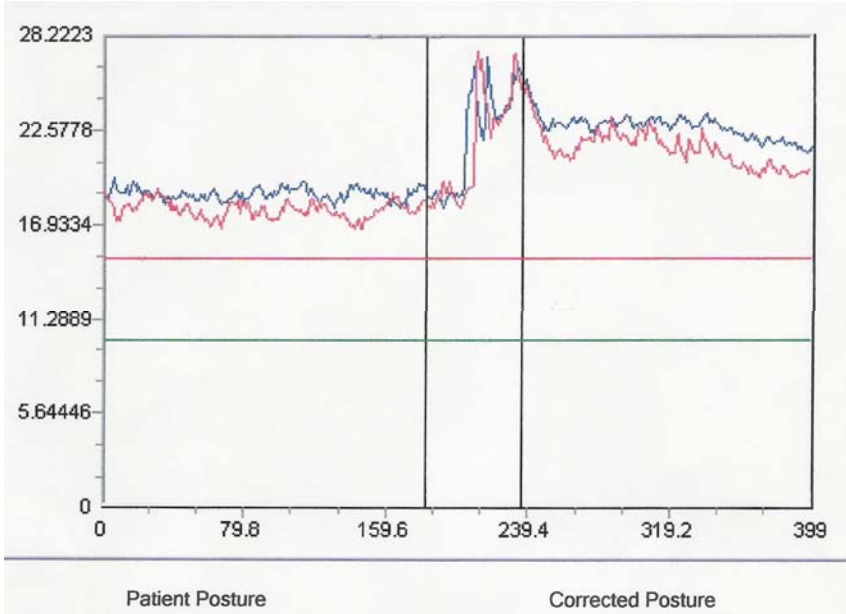
Postures	Muscles	Neutral	Corrected
	Left Paraspinal Muscle group	11.64 mV	12. mV
	Right Paraspinal Muscle group	12.45 mV	12.09 mV
	Percent Differential	6.732389 %	0.747209 %



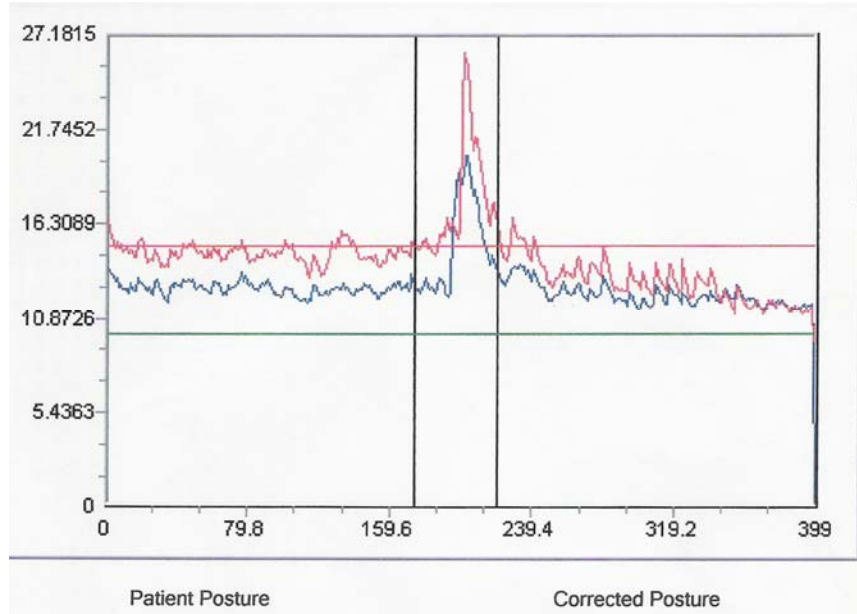
Patient IV

52 years old

BEFORE



AFTER



Postures Muscles	Neutral	Corrected
Left Paraspinal Muscle group	18.8 mV	22.67 mV
Right Paraspinal Muscle group	17.85 mV	21.38 mV
Percent Differential	5.187654 %	5.862012 %

Postures Muscles	Neutral	Corrected
Left Paraspinal Muscle group	18.8 mV	22.67 mV
Right Paraspinal Muscle group	17.85 mV	21.38 mV
Percent Differential	5.187654 %	5.862012 %



Testimonials



Some of Dr. Watson patients testimonials

- I have felt tightness and chronic lower back pains for the last six months I would stretch and exercise but it returned everyday in the morning. After the vibration therapy I was more relaxed and my fallibility improved .It was great to see the changes on the sEMG reading before and after the therapy.

J.Binder 4-18-06

- It was amazing to see the changes in the test you did before and after the vibration therapy . To see the changes was just what I was feeling after the treatment, The muscles were more relaxed and I felt more rejuvenated thanks for the help.

R Wiss 4-12-06

- After sitting and twisting bent over patients all day my back muscles get so tight and sore. After the vibration treatments I can feel the muscles relax and feel more balanced. I showed my staff the sEMG pre and post graph you gave me they were impressed and want me to buy one for our office thanks.

C Riccoboni DDS

- I love the vibration treatments. It was hard to get back into exercising but after a week on vibration therapy I felt a difference in my leg muscles and lower back . I think it really helped me start my program and I look forward to my weekly treatments.

Amos



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