

# EDUCTOR

## QUANTUM BIOFEEDBACK SYSTEM

### Quantum BioFeedback in the service of:

*Individuals and Families*

*Neurologists*

*Psychiatrists*

*Psychologists*

*Counselors and Mental Health doctors*

*Microbiologists*

*Endocrinologists*

*Cardiologists*

*Dentists*

*Ophthalmologists*

*Occupational Physicians and Nurses*

*Dietitians / Nutritionists*

*Physiotherapist*

*Therapists, Doctors & Professionals*

*Speech therapists*

*Homeopathists*

*Health professionals of all specialties*

*Beauticians*

*Yoga centers*

*Personal trainers*

*Professional Trainers and Coaches*

*Olympic Games athletes*



**Dr. Violetta Anninou, Ph.D.**

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Developer and Inventor of the EDUCTOR QUANTUM BIOFEEDBACK SYSTEM**

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The First College of Computerized Quantum Integrative Medicine

**Doctorate in Integrative Medicine (candidate) IMD by the Board of Orthomolecular and Integrative Medicine**

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Diplomate in Quantum Biofeedback BANHS

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**MEDICAL BOARD CERTIFIED BIOFEEDBACK DOCTORATE IMUNE  
THE INTERNATIONAL MEDICAL UNIVERSITY OF NATURE MEDICINE**

Member of QBAA and IRTCOE

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# ***Biofeedback is a Part of Medicine***

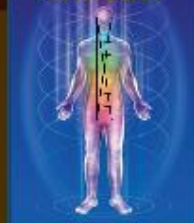


*The key word at the Heart of Biofeedback Medicine is "RESPONSIBILITY".*

*From the first moment the Therapist does a Lifestyle inventory of the Behaviors that can Suppress and or Obstruct the Natural Curative force in a Patient's Body until the end Biofeedback Therapy shows that the Patient can indeed Control their Body with their*

*Consciousness and Will Power, the Whole and Wholistic Biofeedback Process Instills "RESPONSIBILITY".*

Quantum Resonance  
Biofeedback





## About the EDUCTOR 2015

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Earlier devices shaped the Quantum Biofeedback today for innovative health and wellness technologies.

After several years of building foundational support, creating training/certification programs and energizing marketing for the industry, The EDUCTOR invested in redefining biofeedback technology; taking it to a whole new level in order to harness the potential that this industry holds for helping people manage stress and live healthier, happier lives.

After years of research, study and passion, the EDUCTOR was born, bringing with it a new vision for well being influencing the global health care marketplace. The EDUCTOR system is so advanced that it is capable of giving a complete analysis of the body's stress reactions, as well as being a powerful therapeutic tool for relaxation, and alleviation of stress related ailments.

Our mission is to be the leading distributor of innovative health enhancement technologies. The EDUCTOR is here to serve the clinician and the practitioner, with access to tools and education for a healthier lifestyle and/or a more integrative/holistic approach to benefit your clients. Our hope is to be an inspiration and a means of igniting an inner passion for optimal wellness worldwide.

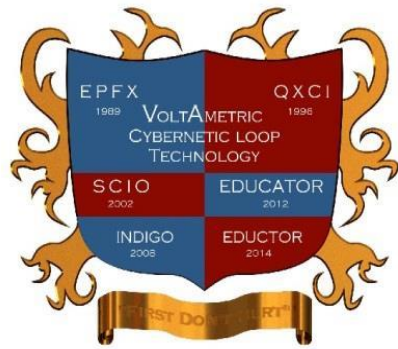
*"Our Mission is to lead, support and inspire action towards the worldwide movement of innovative wellness technologies. Thus fostering the premise that there is much more that modern science is yet to uncover"*

The EDUCTOR Biofeedback System represents technological excellence and experience. The device was designed by Professor Nelson. His 35 years of electrical engineering genius and experience designing these innovative technologies has made him sought after world-wide.

The EDUCTOR commitment to quality and service is evidenced by their ISO 9001 and ISO 13485 certifications which are the highest possible assurance in the manufacturing industry for developing and maintaining quality product.

An extensive 35 year history of providing comprehensive software for electro medicine biofeedback programs and technologies to practitioners around the world.

**SCIO + Pro Educator** are Sophisticated Biofeedback Systems Designed to Interface with the Voluntary Mind and the Body Electric to Educate the Muscles, Neurons and Body to Stabilize and Improve Wellness and Health.



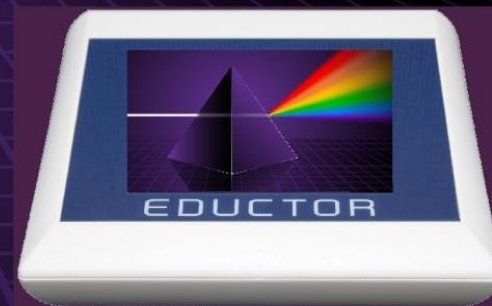
We start with a lifestyle evaluation we call the SOC Index and we Educate the Mind, Body and Spirit to Attain Health via Stress Reduction and Awareness

THE AVERAGE COST OF FULLY VALIDATING + VERIFYING A MEDICAL DEVICE IS WELL OVER \$400 MILLION DOLLARS

You must Prove and Develop the Science for Five Years of Published Research

**SCIO + Educator Cybernetics**  
from healing sun light

You Must get an IRB, do Several Double Blind Medical Supervised Studies, Publish them in Recognized Peer Review Medical Journals for over Five Years, and then get the Studies Published in Certified Medical Univ Textbooks



## Biofeedback Overview

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**Biofeedback, quite simply, is any technique which takes a measurement of the body, and provides a result.**

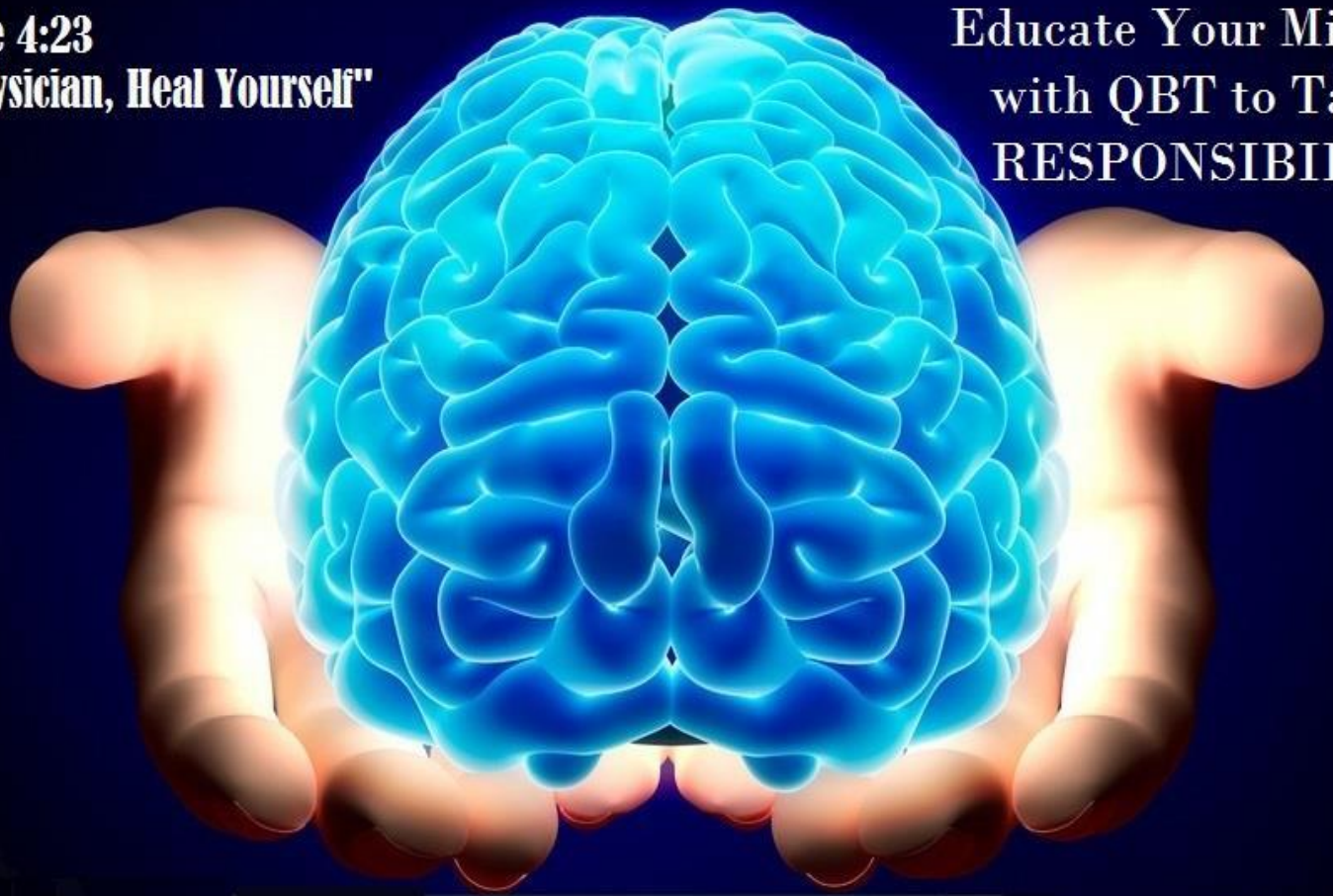
A scale can be said to be a biofeedback device that measures weight; a thermometer is one that measures body temperature. We can measure factors of the body electric such as the voltage from the firing brain cells, the amperage of heart muscle contractions, the voltage of the muscles and the resistance in the flow of electricity of the skin. We can measure the oscillations of these factors as seen by the EEG, ECG, EMG and GSR. The same technological theories that brought us biofeedback in the 1960's, have also brought devices like the CAT Scan, the MRI, TENS, ultra-sound, and many other sophisticated technologies used in our health care systems.

The information measured with a biofeedback device is then "fed-back" to the client, informing them of various physiological parameters and stress responses within the body. This educates them about the need to retrain their body's stress responses and balance the body electric, make lifestyle changes or learn to control physiological reactions, in order to achieve improved relaxation and better health overall.



**Luke 4:23**  
**"Physician, Heal Yourself"**

**Educate Your Mind**  
**with QBT to Take**  
**RESPONSIBILITY**



**Mind**

**Spirit**



**Body**

**Environment**

*With QBT We*  
*1. Reduce the Causes*  
*of Disease*  
*2. Restore Vitality*  
*to weakened Cells*  
*3. Unblock the*  
*Blockages of Flow*  
*4. Treat Symptoms*

**Social**

*We treat the*  
*Individual and*  
*Resort to Drugs*  
*and Surgery Only*  
*When Necessary*



## How Does Biofeedback Work?

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Biofeedback utilizes electro-dermal sensors to measure Galvanic Skin Resistance (GSR), also referred to as Electro-Dermal Response (EDR). GSR measures mild electrical impulses on the surface of our skin, which change due to moisture. The moisture of the skin changes according to the body's degree of stress and/or relaxation. There is a direct relationship between sympathetic nervous activity and emotional arousal. GSR is so sensitive it can even measure fluctuations in emotional states. Biofeedback instruments measure muscle activity, skin temperature, electro-dermal activity (sweat gland activity), respiration, heart rate, heart rate variability, blood pressure, brain electrical activity and blood flow. There are many types of biofeedback: GSR, EEG, CAT scan, MRI, etc. These technologies are able to capture the bodies' analog electrical signals and translate those signals into meaningful information through complex algorithmic software that a technician can then decipher.

Research shows that biofeedback, alone and in combination with other behavioral therapies, is effective for treating a variety of medical and psychological disorders. Biofeedback is currently used by physicians, nurses, psychologists, counselors, physical therapists, occupational therapists as well as a host of other professionals and lay people alike.

In fact, in 1987, it was found that Biofeedback is effective in reducing physician visits, medication usage, duration and frequency of hospital stays, as well as reducing mortality and enhancing quality of life.

**FACT: Studies by Jonas and Levin show Biofeedback as an ideal intervention for the majority of patients who are now increasingly demanding:**

- Gentler, less toxic and less invasive first line interventions
- More integrative and alternative therapeutic options
- More information and choice in making the best possible decisions for their care
- More participation and involvement in their treatment

Leading doctors and scientists are now viewing biofeedback, in its aspect of being a psycho-educational therapy, stating:

*"One of the most fundamental and critically necessary strategies for reducing long term health care costs and improving health and quality of life is appropriate, timely, psychological and educational interventions."*



EDUCTOR

The  
Body is  
Electric

The Body  
is Electric

The Body is  
Electric

ISBN 978-615-5169-01-4 The Body Electric Simplified



**WARNING!**

This book contains provocative material  
not for children or the sexually immature

The Integral Details of  
**THE BODY ELECTRIC**  
simplified for SCIO therapists

As we increase Osmosis  
with Quantum Eductor  
Biofeedback and we  
increase the VARHOPE  
or Electrical Vitality  
then Everything works  
better, and then things  
start to get done that  
were not functioning  
before. We should  
Not be surprised.

The cost of this book is 23 Euro. The copyright is owned by QX Ltd., all rights reserved.

Please pay to the pay pal under <https://www.paypal.com> under donations. All of the books have low res for size and hi res versions for clarity. If you do not have the money pay what you can, and if you cannot pay anything please pay the cosmos back with good deeds to others. Pass on the good karma by being good to others and helping them the way I am helping you. Pass it on.

by Denise Dubvaunet, Professor of IMUNE

We Should Expect  
Miracles Daily



## Stress Reduction

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**Stress affects us all. The detrimental effects of excess stress have been well documented in a wide range of medical publications.**

Thousands of research articles, studies and books prove beyond a shadow of doubt, that stress can be a factor in any disease. Stress alters biochemistry and neurological functioning, and can weaken the immune system and the digestive tract. This neuro-psychological-immuno link is well established in many peer reviewed medical journals on Psychoneuroimmunology.

### The Fight or Flight Response

Stress can trigger the body's response to a perceived threat or danger, called the Fight-or-Flight response. During this reaction, certain hormones like adrenalin and cortisol are released, speeding the heart rate, slowing digestion, decreasing blood flow to major muscle groups, and changing various other autonomic nervous functions thus, giving the body a burst of energy and strength. This response originally named for its ability to enable us to physically fight or run away when faced with danger, is now activated in situations where neither response is appropriate, like in traffic or during a stressful day at work. When the perceived threat is gone, systems are designed to return to normal function via the relaxation response. However, in times of chronic stress, this often doesn't happen, causing damage to the body if stress is not reduced and managed.

### Common physiological changes resulting from stress reactions include:

1. Increased Heart Rate - which can lead and/or contribute to heart conditions.
2. Hormonal Fluctuations - which can lead and/or contribute to endocrine, reproductive, digestive disorders, obesity, diabetes and mental disorders.
3. Constriction of muscles and blood vessels - which can lead and/or contribute to pain, tension, circulatory issues, cardio-pulmonary issues and asthma.
4. The suppression of non-essential life processes - which affects reproduction, higher executive brain function, digestion and immunity.

Many people think of stress only in terms of things like deadlines at work, family or relationship stress, financial pressures, traffic jams, or the death of a loved one perhaps. However, stress reactions also occur on the unconscious, cellular, subtle or energetic levels each time we are exposed to a toxin, pathogen or allergen; and every time our body experiences a nutritional deficiency or excess.



## What Are The Proven Benefits Of Biofeedback?

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*Everyone can benefit from biofeedback. Most people report biofeedback sessions to be relaxing, soothing and beneficial. Yucha and Montgomery (2008), published their article "Evidence Based Practice in Biofeedback and Neurofeedback" in The Journal of Applied Psychophysiology and Biofeedback. This summarized the most current and complete medical research Applied Psychophysiology and Biofeedback. This summarized the most current and complete medical research based on scientific rigor and consistency of outcome on biofeedback benefits and efficacy.*

## Biofeedback Sessions

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**During an EDUCTOR session, the client wears wrist and ankle bracelets and a head harness.**

The sensors/electrodes comfortably read electrical impulses from the body and send the information to the computer software, which acts as a monitoring device. The Quantum Biofeedback practitioner is able to educate the client about the specific areas of the body/mind are in need of stress reduction and re-education based on the information translated between the biofeedback device and software to the computer screen. These data findings allow the client to better understand their reactions to stress and learn how to better control their physiological responses.

While the Quantum Biofeedback process is completely non-invasive and gentle, this powerful stress management support system allows relaxation and increases the bodies ability to heal itself as it is designed to do. The process of Quantum Biofeedback helps the body remember the balanced and stress free state. When entrained to the healthier patterns of a relaxed state, this process of self-regeneration often happens naturally.

## How Many Sessions Are Needed?

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Entrainment is a well studied phenomenon within physics, by which two separate systems, operating at varying frequencies, will settle into a common frequency when situated within one another's field of influence. It may take the body multiple sessions to entrain or "relearn" healthier patterns. Some people respond very quickly, especially those whose lifestyle choices are already aligned with good health.

Others may need more education, training and support around improving nutrition, exercise, sleep patterns, and/or avoiding addictive substances etc. Generally speaking, the longer a client has held certain stress patterns which are causing them pain or illness, the more sessions they may need to begin re-balancing or retraining those patterns and reactions.

Generally, we recommend clients make a commitment to their health by investing in multiple sessions in order to truly see and feel the results. For example, successful smoking cessation programs administered in hospitals and private clinics require about six to eight sessions.

# Get to the HEART of Health Care

Heart Disease caused by  
Stress Diet and Life Style  
is the Number One Killer  
All Insurance Companies  
want to cooperate with doctors  
to save people and prolong life

**CPT Code 95921 Testing of  
Autonomic Nervous System:  
Cardiovagal Innervation  
(Parasympathetic Function)**

**Join the Biofeedback  
Movement**

**CPT Code 95924 Testing of  
Autonomic Nervous System  
function Combined Sympathetic  
Parasympathetic Function**

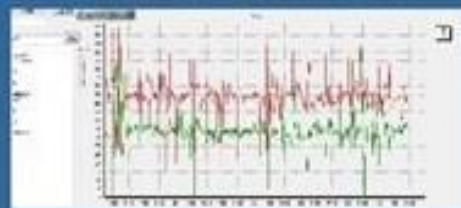
**CPT Code 95922  
Testing of Autonomic  
Nervous System  
function Sympathetic  
Adrenergic  
Function**

## SCIO versus Eductor

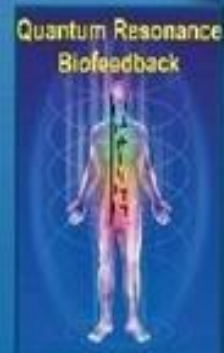
SCIO



Eductor Brain Wave



Eductor ECG





## Who Uses Quantum Biofeedback?

- Individuals and families find it an affordable, safe and easy to use tool for monitoring and managing all kinds of stress and stress related symptoms at home. Many individuals complete their Quantum Biofeedback Specialist Certification and begin a private practice, helping others. While others team up and see clients with their device in wellness centers, doctors and chiropractors offices.
- Practitioners, Clinicians and Therapists from a wide array of complimentary modalities use Quantum Biofeedback as an additional technique to educate their clients, assist with managing stress and pain and teach people how to take control of their lives, making positive changes in their physiological states and their overall health.
- Psychologists, Social Workers, Counselors and Mental Health Clinicians use the EDUCTOR to identify and retrain the emotions linked with traumas that are most reactive for that client. This can often help build rapport and speed the therapeutic process immensely.
- Olympic Athletes, Professional Trainers and Coaches have been using Quantum Biofeedback for years to enhance performance. Stress reduction and pain management can really give athletes an edge in their sport. In fact, EDUCTOR practitioners are currently receiving recognition internationally for achieving outstanding results working with Olympic athletes and professional sports teams in leading sport nations.
- Health professionals of all modalities find that the EDUCTOR matrix reactions provides valuable clues and benefits to stressors most affecting a client. This facilitates a more individualized and effective stress management intervention, without the use of toxic medications or invasive measures.
- Doctors and Nurse Practitioners find Quantum Biofeedback a less costly, drug free, non-invasive, accurate assessment tool. Using this tool they can educate their clients about the stressors which may be at the root of their diagnoses or illnesses. - informing their diagnosis as to various kinds of stressors which may be at the root of illness.

The EDUCTOR Quantum Biofeedback Device is registered for therapeutic use for muscle re-education, brain wave training, stress detection, stress reduction, stress management, pain management and peak performance. Only a licensed diagnostician can diagnose a severe clinical disease.

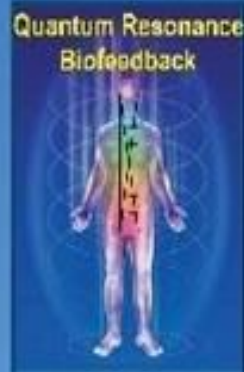
**Some examples of CPT Codes, and therapeutic applications currently used by doctors, clinicians and technicians for quantum biofeedback therapies include:**

- 99214 may be used for a physical ailment
- 90901 biofeedback training general
- 90911 EMG biofeedback
- 90875-90876 Psycho-Physiological therapy



EDUCTOR

# A Full Meta Analysis of the Research Validation and Verification of the Educator / Eductor Technology



Meta Abstracts in a book 2013

<http://www.downloads.imune.net/medicalbooks/Medical%20Research%20Validation%20of%20the%20SCIO.pdf>

Meta Analysis Video

[http://indavideo.hu/video/Evidence Meta Analysis of the Eductor SCIO Technology with music](http://indavideo.hu/video/Evidence_Meta_Analysis_of_the_Eductor_SCIO_Technology_with_music)

International Journal of the Medical Science of  
Homeopathy, Naturopathy and Energetic Medicine

<http://ijmshnem4u.com/>

Certified Medical University Textbooks

<http://imune.net/medicalbooks/>

Scientific Validation + Explanation of the Technology

<http://sciotech4u.com/>

<http://scioscience.com/>



## What Is The Scientific Basis For Quantum Biofeedback,

### The EDUCTOR the Best in Computerized Integrative Medicine

The accuracy and reliability of the EDUCTOR system is based on decades of research in the fields of bio-energetic and bio-response medicine (EDS - electro-dermal screening).

It incorporates some of the best elements of electro-medicine, vibrational medicine and energetic medicine. Electro-medicine, or the use of energetic modalities to treat physical ailments, is considered one of the oldest and most documented sciences known.

The subtler and more profound applications using the concept of the body electric are just being discovered now; but the long history of great minds and thinkers contributing to this body of knowledge is impressive.

The following is a brief summary of some of the pivotal discoveries and influences in the field. These are just a few of the pioneers who used electrical impulses to learn more about the condition of the body and to help the body heal itself.

- 5th century. B.C. ....** The Greek philosophers Democritus and Leucippus proposed that matter was made up of tiny, indivisible particles they called atoms, or in Greek "a-tomos", including the human body. Medical professionals of ancient Greece also learned that the electrical impulses emitted from electric eels in clinical foot baths relieved pain and produced a favorable influence on the blood circulation.
- 46 AD. ....** Doctors Largus and Dioscorides documented substantial therapeutic results with electrical currents in circulatory disorders and in the management of pain from neuralgia, headache and arthritis.
- 1700's ....** Many European physicians used controlled electrical currents from electrostatic generators almost exclusively for numerous medical problems involving pain, trauma and circulatory disorders. Also during that period, Benjamin Franklin documented pain relief by using electrical currents for conditions such as "frozen shoulder."
- 1840 ....** England's first electrical therapy department is established at Guy's Hospital, under Dr. Golding Bird. The electrical discovery of Galvano leads to the use of mechanically pulsed Galvanic currents.
- 1860 ....** The start of Faradic Stimulation. Bristow develops the Bristow Coil, using Faraday's The Discovery of the Body electric by Michael Faraday. Electricity is used all around the body. Special nerves made up of cells called neurons carry electrical



signals the brain from every part of the body and from the brain to all parts of the body. These nerves even carry electricity from one part of the brain to another. Generally, this is the way that our brain helps us get information from our senses, processes information and helps us control our muscles and organs. Historians of science refer to Faraday as one of the best experimentalists in the History of Science.

- 1891** ..... Nikola Tesla presents a paper in 'Electrical Engineer', about the medical application of high frequency currents. He notes that when the body is transversed by alternating currents above a certain frequency, heat is perceived.
- 1897** ..... Thompson discovered the first component part of the atom: the electron, a particle with negative electric charge.
- 1905** ..... Einstein confirms Plank's theory showing that the energy of light is determined by its frequency, where  $E=hf$ .
- 1910** ..... Approximately 50% of all U.S. physicians used electro medicine in their practice daily.
- 1920's and 30's** ..... Dr. Royal Raymond Rife produced some rather astounding accomplishments in medicine and biology using frequency.
- 1929** ..... Lakhovsky publishes his book "The Secret of Life". Conducts studies and concludes that cells possess resistance, capacitance, and inductance and function like tuned resonant circuits, capable of resonating to a resonant frequency when exposed to a range of frequencies.
- 1920 – 1960** ..... Extensive research of Bio-energetics and biofeedback by Rife, Tesla, Miller. Bioenergetic Biofeedback is studied as effects of electrical signals on healing wounds and defects.
- 1944** ..... Schrodinger wrote "What is Life?" which contains a discussion of negentropy (things becoming more in order) and the concept of a complex molecule with the genetic code for living organisms. In his book he writes that DNA and thus biology is Quantic in nature not thermodynamic. According to James D. Watson's memoir, DNA, the Secret of Life, Schrodinger's book gave Watson the inspiration to research the gene, which led to the discovery of the DNA double helix structure.

- 1950's** ..... Studies evaluating electrical reactivity began with Dr. Reinhold Voll's investigations. Voll was able to measure changes in skin resistance at acupuncture points and demonstrate that the body electrically reacts to things that are harmful.
- 1955** ..... Dr. James Pershing Isaacs prints his work on the "Complementary in Medicine", and defines Biology as Quantic. Werner Heisenberg writes an introduction.
- 1959** ..... The Nobel Prize in Chemistry 1959 was awarded to Jaroslav Heyrovsky "for his discovery and development of the polarographic Voltammetry methods of analysis". This proves the fact there is an energetic signature of a Voltammetric field around all items.
- 1970's** ..... Transcutaneous Electrical Nerve Stimulation Transcutaneous electrical nerve stimulation(TENS) is acknowledged as a viable method of pain management by America's Food and Drug Administration (FDA). Many American companies begin production of TENS devices. The heart pacemaker is developed.
- 1985** ..... Becker publishes "The Body Electric". His theories challenge the established mechanistic understanding of the body. With these research findings, he is able to reveal clues that lead to a better understanding of the healing process for the theory of electricity being vital to life. Becker set out to examine why normal bones heal, and then explore the reasons why bones fail to heal properly. His experiments were mostly with salamanders and frogs, and his scope was widened to studying regeneration after lesions such as limb amputation. He suspected that electric fields played an important role for controlling the regeneration process, and therefore mapped the electric potentials at various body parts during the regeneration. This mapping showed that the central parts of the body were normally positive, and the limbs negative. When a limb of a salamander or frog was amputated, the voltage at the cut changed from about -10 mV (millivolts) to +20 mV or more the next day—a phenomenon called the current of injury. In a frog, the voltage would simply change to the normal negative level in four weeks or so, and no limb regeneration would take place. In a salamander, however, the voltage would during the first two weeks change from the +20 mV to -30 mV, and then normalize (to -10 mV) during the next two weeks—and the limb would be regenerated.
- 1988** ..... The Voll electro-acupuncture energetic medicine device is registered with the FDA. (the Voll device was a one dimensional measure of skin resistance)

- 1989** ..... The FDA registers Professor Nelson's biofeedback Xrroid which is a trivector three dimensional device to send and measure voltammetry.
- 2010** ..... Today, thousands of doctors and medical researchers worldwide are investigating electro medicine and biofeedback as effective alternatives to traditional methods of treatment. These avenues are leading to new possibilities for treating conditions such as spinal cord injury, muscular restoration, nerve regeneration, brain stimulation, bladder disorders, heart disease tumors and other chronic autoimmune diseases and disorders.



## Frequency Waveforms And Vibrations

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***"Concerning matter, we have been all wrong. What we have called matter is energy, whose vibration has been so lowered as to be perceptible to the senses. There is no matter."***

*- Albert Einstein*

High school chemistry teaches that every unique substance on the planet has its own unique molecular structure. In physics class, we learn that each of these has a unique frequency at which it 'vibrates'. It is possible to identify the frequency of a specific item by flipping through the possible frequencies until a resonance is found. Resonance occurs when two similar frequencies are overlaid creating a 'stronger' wave by increasing the amplitude (height) of the wave, while maintaining the same frequency / vibration or Voltammetric patterns. The frequencies of many items, ranging from viruses, bacteria, cell type, etc. have been consistently measured over the last several decades creating a library of reliable "Voltammetric signatures".

The EDUCTOR first identifies which of these frequencies is present within the body, by looking for those that produce a measurable resonance response. It then feeds back to the body those frequencies necessary to restore balance. Through this process of entrainment there is an overlapping of the 'out of balance' frequencies with the desired frequency until the dominant frequency is that of the desired healthy state frequency. This process is re-education, applicable to muscles and subtler levels using the EDUCTOR as well.

The potential uses of Quantum Biofeedback in assessing and addressing the body's subtle physiological parameters are paramount in Richard Gerber's book, *Vibrational Medicine*, as he describes: "Vibrational medicine is a diagnostic and healing approach to illness using energy in various forms and frequencies. As a therapy, vibrational medicine is the application of different types of energy for healing, including approaches as traditional as X-ray and radiation therapy for cancer, the use of electrical nerve stimulation for treating pain, and electromagnetic field stimulators for accelerating the healing of fractured bones. Even full spectrum light is used for treating seasonal affective disorders or the 'winter blues'. However, vibrational medicine also covers the more subtle forms of treatment such as acupuncture, homeopathy, flower essences, therapeutic touch and that sort of genre. The latter involve using subtle life-force medicine, but they are energetic therapies nonetheless.

This is the spectrum from the more traditional to a range of therapies that stress treatment of the whole person, sometimes referred to as 'complementary' medicine. I think the electroacupuncture system goes way beyond what we can pick up with conventional blood tests. The acupuncture meridian system appears to be the interface between the physical body and the higher energy control systems. So you can not only pick up a disturbance that's at the physical level, you can actually pick it up at the subtle energetic level before it is as illness."

**QBT**



**Enthusiasm and Awareness  
are the Best Weight Loss Methods**



**Biofeedback makes you Aware**

**Quantum Resonance  
Biofeedback**



**BIOFEEDBACK  
OR  
MEDICATION?**



**WHAT'S BEST?**



**As Patients learn the Causes of Weight Gain  
and then they Learn the Way to Reduce it.  
Improving Life with Exercise, Diet, Herbs,  
Networking, Stress Reduction, and other  
Natural Therapies Patients can Learn to  
Help Themselves by accepting Responsibility  
increasing Awareness and thus Enthusiasm**



## EDUCTOR certificates



OFICIUL TEHNIC de DISPOZITIVE MEDICALE CERTIFICARE  
Notified Body according to Council Directive  
93/42/EEC concerning medical devices  
with the Notified Body Number 1868

acreditat pentru  
CERTIFICARE



SR EN 17021:2011  
CERTIFICAT DE ACREDITARE  
nr. ON 008/2013

## ANNEX TO EC CERTIFICATE


Certificate No. 44 DM 2.3  
Issue Date: 14.08.2014  
Issued to S.C. BIOFEEDBACK 2014 S.R.L., România

List of Significant Subcontractors recognised as being involved in services relating to the products covered by the present certificate:

Subcontractor	Service(s) supplied
PentaVox Engineering, Management and Trading Kft. H-1043 , Budapesta, Dugonics u. 11, Hungary	Production
Triton Electronics Kft, H-1142, Budapesta, Ungvar u.64-66, Hungary	Equipped motherboard

The certification is based on:

- Audit report No. 44 – A2 – I / 08.08.2014

  
President of the Committee for Safeguarding Impartiality  
Eng. Lazăr IORDACHE



  
Director  
Eng. Ioana ȚENE



# CERTIFICATE

## ISO 13485

No. 44 SM 1

OTDM CERTIFICARE, accredited by the National Accreditation Body RENAR,  
certifies that:

**S.C. BIOFEEDBACK 2014 S.R.L.**

B-dul Henri Coandă nr. 2, cam. 14, Satu Mare, județ Satu Mare, România

has established and maintains a Quality Management System that meets the  
requirements of the EN ISO 13485:2012 for:

**Research and development, manufacture and trade of  
universal electrophysiological biofeedback systems**

Audit report no. 44 – A2 – I / 08.08.2014



President of the Committee for Safeguarding Impartiality  
Eng. Lazăr IORDACHE

14.08.2014  
Issue date



Director  
Eng. Ioana ȚENE

13.08.2019  
Valid until

The validity of the present certificate is conditioned by conducting the annual surveillance program





OFICIUL TEHNIC de DISPOZITIVE MEDICALE CERTIFICARE  
Notified Body according to Council Directive  
93/42/EEC concerning medical devices  
with the Notified Body Number 1868

acreditat pentru  
CERTIFICARE



SR EN 17021:2011  
CERTIFICAT DE ACREDITARE  
nr. ON 008/2013

# EC CERTIFICATE

## FULL QUALITY ASSURANCE SYSTEM

(Annex II , excluding section 4, of the MDD 93/42/EEC on Medical Devices, as revised)

No. 44 DM 2.3

The certificate is granted to the manufacturer:

**S.C. BIOFEEDBACK 2014 S.R.L.**

B-dul Henri Coandă nr. 2, cam. 14, Satu Mare, județ Satu Mare, România

For the following medical device:

**Universal electrophysiological biofeedback system, type EDUCTOR**

OTDM CERTIFICARE hereby declares that an examination of the full quality assurance system has been carried out following the requirements of the annex II of the Directive 93/42/EEC on medical devices, with subsequent modifications, excluding section 4, and certifies that the full quality assurance system conforms with the relevant provisions of the aforementioned directive.

The certification is based on:  
Audit report no. 44 – A2 – I / 08.08.2014

President of the Committee for Safeguarding Impartiality  
Eng. Lazăr IORDACHE



Director  
Eng. Ioana ȚENE

14.08.2014  
Issue date

13.08.2019  
Valid until

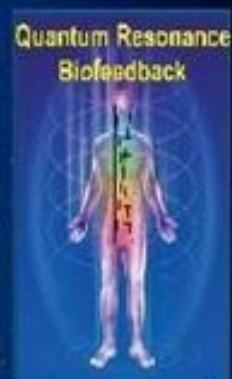
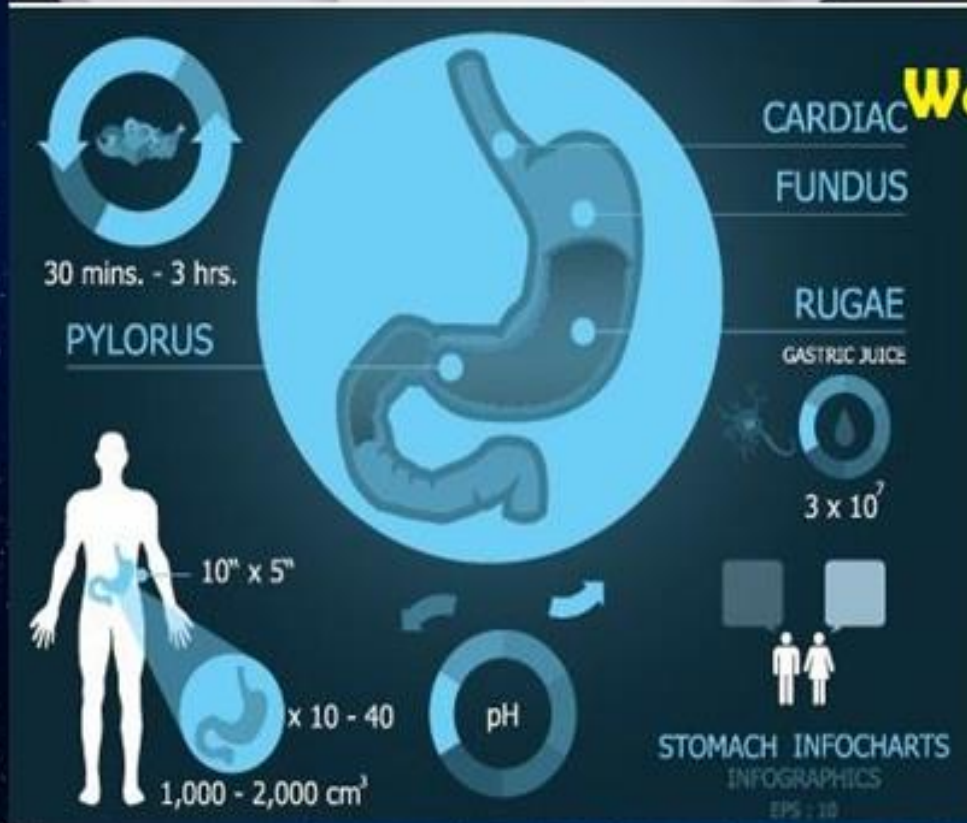
The validity of the certificate will be in accordance with the provisions of MDD 93/42/EEC, Annex II, section 5 and of the Certification Contract no. 44DM/23.06.2014.  
The CE<sub>1868</sub> mark, can be applied only for the medical devices specified in this certificate.



**Refer to a QBT  
Near You or  
Hire one to  
Work in  
Your Office**



**The Quantum Biofeedback  
Therapist reviews Nutrition  
of Lifestyle to Educate the  
Patient on Safe Effective  
Natural Means to Help  
their Patients to Eat  
Better, Digest Better,  
Detox Better.  
By Balancing the  
Stress Induced  
Sympathetic  
Nervous System  
with the  
Immuno-Digest  
ParaSympathetic  
System to Increase  
Your Patient's  
Wellness + Vitality**





## How is the EDUCTOR Different From Other Biofeedback Devices?

Many aspects of the EDUCTOR Quantum Biofeedback System, make it the most technologically advanced, innovative and effective biofeedback technology on the market today. Two unique electro-biological methods are the patented Trivector Signature testing and the Xrroid process of biofeedback measurements. These methods combined with a dramatic increase in transfer rate, sensitivity and amplitude range improve on previous theories which suggested that resistance alone was sufficient to supply this kind of information. A unique system of mathematical algorithmic equations was developed to calculate these signatures in a more accurate and 3-dimensional fashion, based on three vectors (or waveforms): voltage, amperage and resistance. This calculation is said to be possible for every unique substance and energy in existence; it is called the Trivector Signature. The inventor of these two methods discovered a highly effective way to utilize evoked potential responses and voltammetric signatures or resonant frequencies of each unique substance to alleviate stressors in the body.

Using a sophisticated software program, computer and interface device, thousands of trivector signatures are recorded into the EDUCTOR software's main matrix database. These signatures are then energetically presented to the client at biological speeds of 1/1000th of a second, using a low-level micro-current. During this process the computer measures and reports the bio-energetic responses to each of these signatures. The speeds at which this interaction takes place is what has been patented as the Xrroid process; the four minute EPR test can reveal stress reactions to more than 11,000 different items that influence our health.

In short, the body is 100% electrical. A vast amount of physiological processes are beneath our conscious and verbal awareness, making them by definition subtle. For example, we are not directly aware of our muscle tension as it builds, nor are we aware of the enzymes released from our pancreas, or the changes in our brain wave. Every action involves some sort of electrical, chemical, quantic, photonic or other energy transfer. These subtle energy interactions, are in fact physiological actions and reactions to electrical stimulus, which can be detected by the EDUCTOR Quantum Biofeedback Device, allowing the practitioner to bring the information to the client's awareness to train for better control or energetic balance.

The most important aspect of EDUCTOR QUANTUM BIOFEEDBACK system is not just measuring the body electric, but measuring the changes. The continued measuring and feedback of the system allows us to see the client's subtle reactions to words, ideas, items, or any stimuli is what makes biofeedback work. The body is a dynamic system that is never static; for example, there can never simply be one blood pressure, as it is changing dramatically every minute. The reactions or reactivity to a multitude of stimuli is an important tool in the EDUCTOR's ability to help clients retrain their reactions to subtle, non verbal and unconscious parameters of their physiology.

Additional significant factors which contribute to the EDUCTOR's popularity globally amongst health professionals are its cybernetic loop and its ability to auto-focus for maximum training capacity. The cybernetic loop is a two-way communication between the device and the computer; it is constantly "checking in" with the client and measuring their progress. The auto-focus function works in conjunction with the



EDUCTOR

cybernetic loop to allow practitioners to individualize their retraining protocols in order to meet highly detailed and specific needs of each client. This function also allows for what we refer to as "passive biofeedback"; the ability of the EDUCTOR to help retrain a client's physiological reactions at unconscious/autonomic levels. The device can also, however, perform more active, conscious "classical biofeedback" or "neuro-feedback" type interventions.

### **Rectification Values**

Very few medical, hands on healing, or mental health modalities give the practitioner the ability to see exactly how well their clients are responding to the intervention, moment to moment. The EDUCTOR actually calculates a percentage of change, giving a rectification value, upon completion of each stress reduction program. This is a huge benefit to practitioners.

### **Baseline Measures & Auto-Focus**

While the program can allow for incredibly in-depth focusing, it is also exceptionally user-friendly. In most instances, when the practitioner opens a particular training panel the most beneficial biofeedback programs for that client are highlighted. These choices are based on the initial baseline assessment of electro-physiological reactions (EPR). Selections can also be made using our auto-focus feature to determine which program in that panel would be most useful.

A further example of this is while working with the Electro-Physiological Frequency Program the device will first reveal the strongest reactions to specific brainwave activities and patterns, before commencing the re-training process. In the Spinal Muscular Re-education program, the stressors located in the spine are first highlighted in a stress assessment. Then the practitioner can commence the re-training. This education process, unique to the EDUCTOR, is also an incredible tool for practitioners and clients alike.

### **Built-in Alarm**

The principles of modern medicine's "hippocratic oath" (helping professionals should do no harm) are integrated within the EDUCTOR's operational design. Its built-in alarm system will signal the practitioner when a client has reached maximum training capacity within a specific program. The software may shut the session down, if for any reason the client is not integrating the training in a safe, healthy and satisfactory way.

### **Online Updates**

The online update system, which allows practitioners to click on a desktop icon for easy downloading of brand new programs or software changes as they become available, is just one more reason why

EDUCTOR is the busy health professionals' preferred device for stress reduction and pain management, muscle re-education, brainwave relaxation retraining and more.

### **A New Vision For Well Being and PEAK PERFORMANCE**

The EDUCTOR brings a new vision for well being and Peak Performance to the global health care marketplace. A percentage of clients who receive EDUCTOR Quantum biofeedback sessions report that they can "feel" a gentle warmth or tingling sensation during the session. These sensations are due to; 64x increased sensitivity, 12x faster rate of information transfer, 50x greater range of frequency output and 1.5x more amplitude capacity, as well as significant increases in accuracy, range and coherence of the signals delivered by the EDUCTOR elevates it over other devices of this caliber. Its capabilities are more advanced than its competitors; in fact, practitioners internationally are trading in other, outdated biofeedback technologies to take advantage of the very best that the EDUCTOR Quantum biofeedback systems technology has to offer and ensure the best possible outcomes for their clients.

The logo consists of three concentric, dotted blue circles. The word "EDUCTOR" is written in a blue, sans-serif font, slanted upwards from left to right, positioned within the innermost circle.

EDUCTOR





***To See the  
Future of  
Drug Free  
Responsibility  
Biofeedback  
with a Hi-Tech  
Quantum Twist  
Go to our  
Website and  
Learn More***

<http://www.qxsubspace.com/>

<http://www.indigogreece.gr>

<http://www.sciogreece.gr>

## EDUCTOR In Managing Stress

**In approximately four minutes, the EDUCTOR Quantum Biofeedback System can simultaneously detect and record information about the client's stress reactions.**

The Eductor Quantum Biofeedback System reveals a client's voltage, amperage, resistance, hydration, oxygen, proton and electron pressure (VARHOPE) scores. Current studies show that these electrical calculations are important indicators of the health / stress of various functions in the body.

Different lifestyle factors which could be contributing to the body's overall stress load are reflected in the EDUCTOR QUANTUM Biofeedback System's Suppression and Obstruction to Cure (SOC) scores, which provide a valuable client education tool for behavioral/ psycho-therapeutic intervention.

In Canada and Europe, the EDUCTOR is seeking classification as an Evoked Potential Biofeedback Device. This would confirm that the EDUCTOR also has the capacity to send certain signatures as remedies to alleviate or harmonize a specific stress pattern, for example the signal for a homeopathic flower essence or essential oil (aromatherapy). Doctors, therapists and certified professionals trained to work in these areas may utilize the clients responses to the following energetic stimuli including over 11,000 voltammetric signatures from the following categories:

- Allergens
- Aroma Therapy Oils Bones
- Chromosomes
- Diseases
- Emotions
- Foods
- Herbs
- Classical
- Ligaments
- Minerals
- Parasites
- Toxins
- Viruses
- Amino Acids
- Bacteria
- Candidas
- Dental Diseases
- Drugs
- Fatty Acids
- Fungi
- Homeopathics
- Combinations
- Miasms
- Muscles
- Prions
- Urine
- Vitamins
- Animal Diseases Blood Chakras Digestion
- EEG, ECG
- Flower Essences
- Geopathics
- Isodes/Nosodes
- Hormones
- Meridians
- Organ
- Sarcodes
- Solvents
- Venoms
- Worms

Information about reactions to over 11,000 subtle stress related signatures and physiological parameters are also reported for client education.

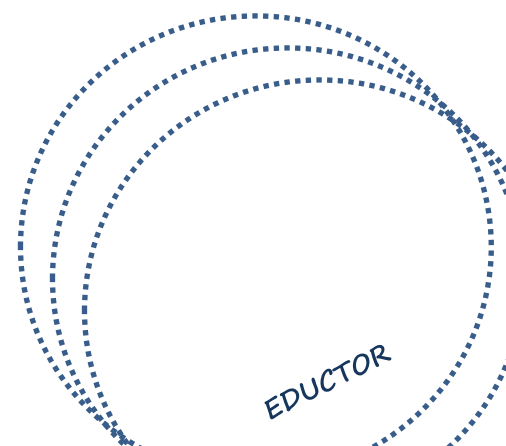
## How Can The EDUCTOR Biofeedback System Help To Improve My Health?

The EDUCTOR Quantum functions in a multitude of ways, it can send signals to measure and record electro-physiological reactions to a multitude of items, re-educate certain muscles, nerves or organs and/or retrain areas of the body/ mind to healthier patterns. In other cases, it can invert certain signals which seem to be closely associated with a stress pattern.

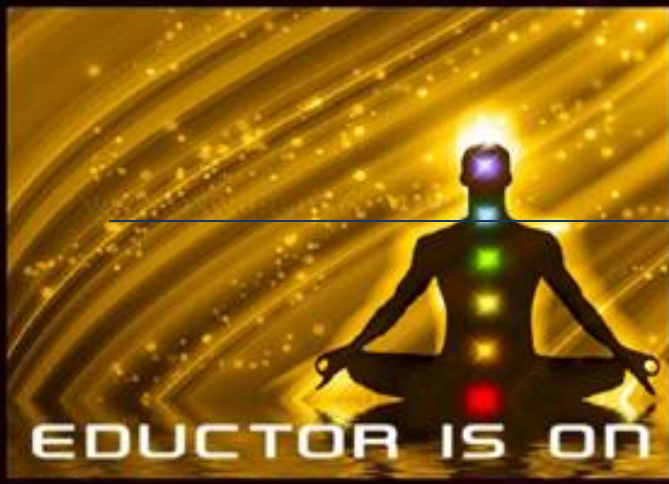
**Most people find Quantumj Biofeedback soothing, relaxing and beneficial. Results may include:**

- Ability to relax more quickly
- Deeper state of relaxation during sleep
- Easier to fall asleep and stay asleep
- Reduction of stress and hypertension
- Improved general health
- Increase in amount of calmness and peacefulness
- Reduction of anger
- Less fearfulness
- Fewer anxiety attacks
- Amelioration of sorrow
- Reduction of the depth of depression
- Heightened muscle mobility
- Enhanced mental clarity
- Able to pay attention more consistently
- Better focus of attention
- Deeper concentration and enhanced memory
- Less attention to pain and stressors
- Less concentration on pain and stressors

Fewer feelings of pain and stress Less intense focus on pain and stressors Less intensity of any pain or any stress more able to manage stress and pain.







EDUCTOR IS ON



EDUCTOR IS CALIBRATING...



EDUCTOR IS WORKING...



EDUCTOR IS WORKING...



EDUCTOR IS WORKING...



EDUCTOR IS WORKING...



EDUCTOR IS WORKING...



EDUCTOR IS WORKING...



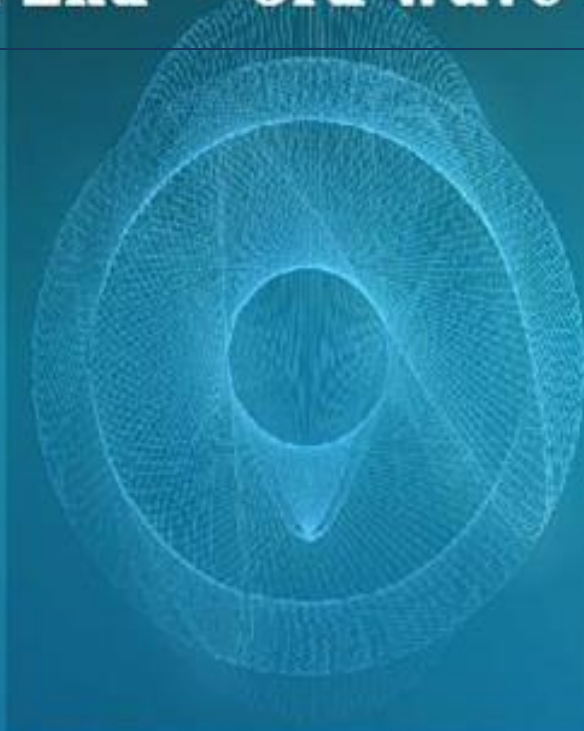
EDUCTOR IS WORKING...



TRAINING FINISHED



# Eductor has a 2nd + 3rd Wave form Generator



*With Quantum Biofeedback We can Deepen Meditation by Using ETM which is Electro-Transcendental Meditation. People can Attain Faster Results with More Mental Control, Less Effort, Relaxed Peace and Aware Enthusiasm*



## EDUCTOR QUANTUM BIOFEEDBACK Programs

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The following programs contribute to the EDUCTOR's ability to retrieve over 90,000 different signals that your body is giving out at any given time.

The EDUCTOR is by far, the most comprehensive biofeedback system on the market today. Pre-designed stress reduction protocols, or programs specifically designed to meet each client 's special needs can be utilized. There are hundreds of different training program options that can be implemented in limitless combinations to obtain optimum results.

Additionally, up to four complimentary programs are able to run simultaneously for a highly synergistic and enhanced effect.

### Specialized

- Metabolic Repair
- Hormonal Balance
- Neurological Repair Relaxation and Sleep
- Digestion Balance
- Feel Good
- Muscle Building
- Neurological Retraining
- Flexibility
- Co-ordination
- Immune Stimulation
- Intellectual Stimulation
- Blood Sugar Balance
- Parasympathetic Stim
- Sympathetic Stim
- Vagus Stimulation
- Pain Therapy-TENS

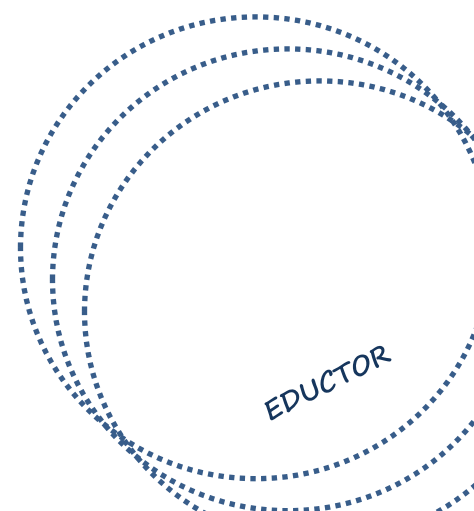
### Sample of EDUCTOR Training Programs:

#### Primary Autofocus Programs

- Chakra Balance
- Spinal Muscular Re-education
- Color
- Auto Frequency Balance Trivector Bioresonance Biofeedback

#### Secondary Programs

- EEG/ECG
- Hormone Balance





Adrenal/Cortisol Balance  
Hyperreactivity Desensitization

### **Mental/Emotional Techniques**

Stress Reduction  
Neurolinguistic Programming  
Emotional Growth  
Unconscious Reactivity  
Electro-Hypnosis  
Music Therapy  
Emotional Balance  
Neurotransmitter Balance

### **Sport-Specific**

Sport Injury Therapy  
Mental Focus Stimulation  
Positive Mental Stimulation  
Will to Win Stimulation  
Will to Prepare Stimulation  
Dispel Negativity  
Hormone Balance  
Release Emotional

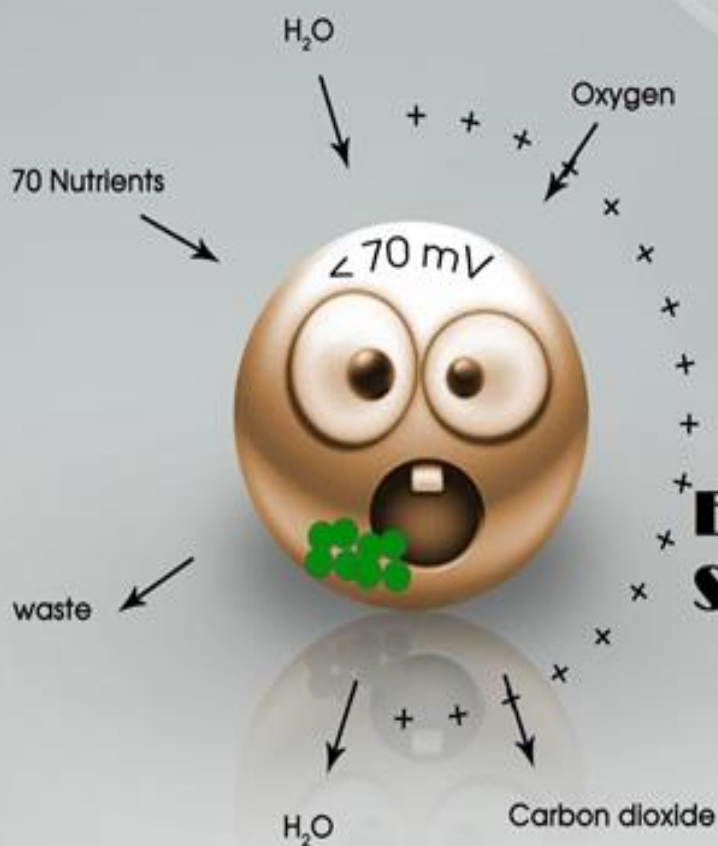
The EDUCTOR can also overlay additional signatures onto a particular training program, for example the overlaying of specific signatures that address inflammatory stress alongside retraining programs for injury or pain. Trained and licensed medical professionals have also found great benefit in the biofeedback guided imagery and visualizations programs for:

- Homotoxicology (Toxic Stress Reduction)
- Oxygenation
- Chiropractic Energy Balance
- Blood Balancing
- Dental
- Degeneration
- Injury
- Pain
- Chronic Fatigue
- Fibrositis
- Electroacupuncture
- And much more...



Healthy membrane potential and adequate body voltage makes all of the functions of the cell work better

Low Body Voltage leads to weak membrane potential, weak osmosis, trapped toxins, premature aging, and increased susceptibility to virus



**Eductor and SCIO Technology**

## Charging the Human Battery

Factors that influence the body voltage and membrane potential are fatty acids in the cell membrane, minerals, especially salts, hydration water, oxygenation, stress, toxins and life style.

The SCIO has been proven in tests to increase the electrical potential of the body. Increased cellular membrane potential makes osmosis increase, which increases detoxification, nutrient transfer and absorption, hydration, oxidation, and all cellular functions in general.



## Program Descriptions

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### Auto Frequency/ Auto Varhope Training Program

Performs a baseline measurement of stress related imbalances in the polarity of the organ systems, and facilitates retraining for those stress patterns.

### Auto Trivector Training Program

Retrains stress patterns in three primary waveforms found in healthy tissues: capacitance, inductance and conductance.

### Super Learning Training Program

Re-educates the brain to function for optimal learning.

### Autonomic Nervous Training Program

Allows for retraining stress patterns in the sympathetic, parasympathetic and vagus nervous systems.

### Spinal Muscular Re-education

Re-educates the muscles and nerves associated with and supporting the spine. **Muscular Re-education for Athletes**

*Allows for re-education and stress reduction programs specific to performance enhancement.*

### Nutrition and Homeopathy Feedback Training Program

*Sends homeopathic and nutritional signatures for stress reduction.*

### Stress and Cortisol Rebalancing Training Program

*Helps clients redevelop healthy adrenal patterns in relation to stress responses.*

### NLP- Neuro Linguistic Program Stress Reduction Programs

*Re-educates neuro-transmitter reactions and retrains a clients reactions to emotional and mental health factors.*

### Spiritual Resonance Training Program

*Strengthens the clients innate healing abilities, encourages the ability to tolerate higher vibrations and frequencies.*



**The Auto Color Therapy Training Program**

*Chooses from 256 potential color frequency patterns choosing the ones that will most harmonize the client's stress.*

**Auto Scalar Training Program**

*Provides training protocols and visualizations for balancing stress factors interfering with the subtle energy centers known as the chakras.*

**Auto Meridian Training Program**

*Does a baseline assessment of meridians and begins an automatic retraining program for balancing stress/energetic disturbances in the acupuncture meridians.*

**Hyper- Reactant Training Program**

*Identifies stress reactions related to foods, microbes, chemicals, solvents and other substances and trains for proper reactions to those stressors.*

**Acu-Point Program**

*Allows practitioner to select a specific acupuncture point for retraining; or performs a "super conscious selection" using auto-focus.*

**DNA Stress Training Program**

*Helps alleviate stress patterns from signals emitted by DNA.*

**Internal Enzyme Training Program**

*Helps clients re-pattern enzymatic pathways affected by stress.*

**Hormone Stress Rebalancing Training Program**

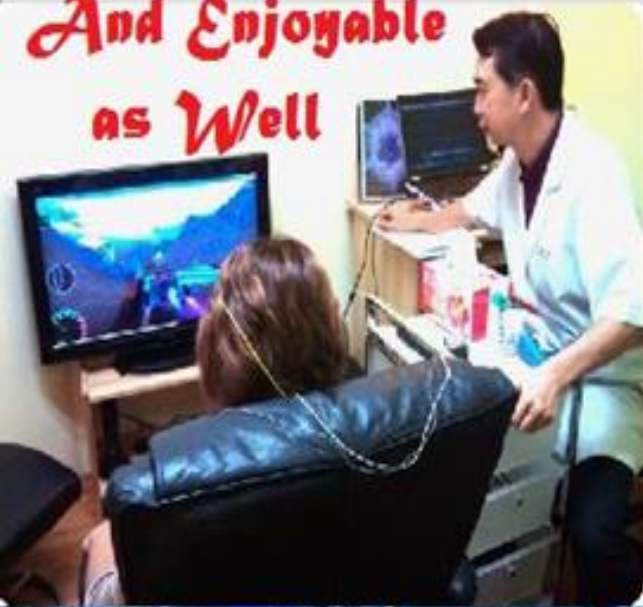
*Helps clients retrain stress reactions which may be affecting the endocrine system.*

**A Professional  
Quantum  
Biofeedback  
Practice can be  
Very Profitable**



**And Enjoyable  
as Well**

**Work from an  
Office in your  
home**



**Build a Future  
for You and  
Your Family**

**Indigo  
Athelete  
wins Gold**



Je mineralen gaan alle kanten op.



# CLINICAL EVALUATION



# SCIO

## EDUCTOR

CE

measures

treats

Volts and Oscillations (EMG, EEG)

Amps and Oscillations (ECG)

Resistance (GSR)

Hydration

Oxidation (Redox potential)

Ph acid vs alkalinity

Reactivity evoked potential to  
voltammetric fields of substances  
(TVEP) over 228,000 measures a  
second of these energetic factors

Brain wave and emotions  
with (MCES)

Pain with (MENS) (TENS)

Trauma or wounds (EWH)

Electro Weakness Ph,  
Redox disorder (VARHOPE  
Correction)

Trickle charge the body  
electric



All designed to detect + reduce Electro-stress  
and Balanace the Body Electric Automatically



## Health Professionals Are Raving About EPR Biofeedback!

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### Testimonials:

*"I have been a RN health care professional for 30 years. My experience over the years has crossed many areas of allopathic and natural health care. I have pursued interests in Integrative Medicine as my passion and have acquired insight and aptitude on integrative approaches that I now utilize with my integrative practice in an independent Wellness Clinic [www.wellnessconceptsclinic.com](http://www.wellnessconceptsclinic.com) , providing comprehensive alternative care with Chiropractic, Chinese Medicine and Acupuncture. My services are blended utilizing the EDUCTOR Biofeedback device, Auriculotherapy, Mind/Body/Energy work and electromedicine modalities for pain, stress and addictions. I also have been an instructor for this advanced technology for the past six years and feel that many health professionals are finding this as a tool to add to their practice.*

*Statistics have shown that more dollars are spent out of pocket on Alternative approaches since 1997 and will continue to be the driving force for health care that is becoming more proactive and preventative with the health conscious public awareness. Over the last five years, integrating biofeedback services for clients with headaches, fibromyalgia, smoking addictions and pain, I have been able to improve the lives of over 10,000 clients."*

**- Faith Nelson, RN, Springfield Missouri**

*"I am a Professional Nurse (Dipl. General Nursing, Midwifery, Nursing Administration and Community health). I started the biofeedback practice last year and am now doing it fulltime. I have had successes with reducing the stress and symptoms of clients experiencing skin disorders and sinusitis. Attention Deficit/Learning Disability is also quite common in my practice - adults as well as children benefit with the EDUCTOR relaxation training of brainwaves protocol.*

*The following stress related issues have also been successfully balanced for many of my patients as a result of EDUCTOR stress reduction: Pain, Fibromyalgia, Chronic Fatigue, Circulation, Blood pressure, Menopausal syndrome, Infertility, Nutritional and Sugar imbalances, Addictions, Lung disorders, Shoulder problems, Arthritic disorders, Rheumatism, Digestive problems, Nerval disorders, Weight loss. In general the patients are very happy with the coaching and advice they receive, as well as comforted by the fact that they are referred to other health professionals if necessary."*

**- Ronel Newman, RN, Canada**

*"I am a holistic chiropractic physician, and have been doing energy work since the 80's. I have used a variety of energetic devices in my practice, and lecture internationally on Fibromyalgia and Chronic Fatigue Syndrome- two areas I have had great successes with for my patients. Using this technology (EDUCTOR biofeedback) I am able to pick up on stresses and toxins that otherwise I could not find. It assists me in my overall health assessments. As an intervention, the device is able to normalize the body's frequency patterns and give clients a greater potential to heal."*

- **Dr Bruce Nelson, Holistic Chiropractic Physician, Big Fork, Montana.**

### **Physician Sees 90% Improvement Rate with 490 SCIO Patients**

*"I have been in conventional medicine as an OB-GYN for 24 years in my private solo practice. I had two offices and 18 employees and used to work 80 hours per week. In 2000, I could no longer continue to perform surgeries or deliver babies due to neck and back problems. As I evaluated my options, I discovered holistic medicine, and after re-educating myself, I restarted my new practice and resigned from all insurance plans.*

*Along the way, I came across various modalities that improved my ability to help my patients. I came across EPR biofeedback four years ago, and I purchased one two years later, after I saw the improvement that my wife had after one session on it. Since then, I have treated 490 patients with a variety of health issues with 90% improvement rate.*

*Among the issues that I was able to improve were insomnia, vertigo, nightmares, and stress, just to name a few. There have been no side effects. One of my most memorable successes was with a 26 year old female with Interstitial Cystitis, who was able to return to a normal lifestyle after three sessions. In my 32 years in clinical practice, I never came across a better modality."*

- **Dr. Moshe Dekel, MD, Obstetrician-Gynecologist, NY, NY**

*"I am a Molecular Biologist (University of Delaware graduate), Holistic Nutritionist (Clayton College of Natural Health- B.Sc. , Master's and Ph. D. Program) and Biofeedback Specialist. I use the EDUCTOR in my practice for Weight Reduction, Weight and Stress Management, Anti-Aging and much more... My clients have excellent results and they all refer me new clients. So, as a result my business keeps on growing and expanding. My clients love the device because it helps them increase their consciousness of their stress issues. They know where they are in their healing pathway and where they need to go."*

- **Dr. Violetta Anninou, Greece**

EDUCTOR





*Peer Reviewed Med  
Research has  
Shown that the  
Cybernetic Loop  
Technology Can  
Stimulate Insight +  
the Creative Brain*

*There is a  
Different Set  
of Laws in  
the Right Brain*



*In over 100 studies the  
Electro-Stimulation  
Technique is shown  
Safe and Effective*

*When Set Free from Word Verbal  
Dominance and Properly Stimulated  
the Creative Insight Brain can Flourish*



## EDUCTOR Applications For Professional Athletes:

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**By Jeff Sutton, H.B.Sc., C.S.C.S. Calgary, AB**

**Biofeedback has been used with professional and Olympic-level athletes for over 30 years.**

The ability of Biofeedback to improve mental focus, mind-body control, and overall sport performance is well documented. EPR Biofeedback made its Olympic debut in 2008 at the Federal Sports Hospital in Beijing. For four months prior to the Beijing Games, over 1000 sessions were performed with 50 physicians and over 200 athletes of the Chinese National and Olympic Teams. Thirty two of China's record 100 medalists were participants in the biofeedback health management program.

Subtle factors like diet, minerals, emotions, allergies and air pollution can separate Olympic-class competitors that are compared by inches and fractions of a second. For instance, sub-clinical dietary deficiencies may reduce endurance, affect sleep, cause muscle cramps and impair performance and recovery in countless ways. The earliest signs of distress are exhibited by the body's bio-field, and only Electrophysiological Reactivity (EPR) testing is capable of this kind of subtle measurement. The EDUCTOR measures the athlete's own reactions, using their own baselines as the control, rather than comparing them with a "norm", though results correlate well with standard diagnostic tests when cases are more advanced. This way, each athlete's individual needs can be ascertained and corrected proactively. The program also includes high-end 3D graphics intended to allow the athlete to visually interact with the program, which triggers a mind-body connection.

### **Injury Prevention And Treatment**

When athletes are healthy, balanced and have good stress management strategies, like EPR biofeedback, then the probability for injury is decreased. By monitoring the athlete for the earliest signs of distress, it is easier to identify and treat overtraining, poor recovery, insomnia, nutritional imbalance, or other factors that increase the chance of injury. Of course, not all injuries can be prevented. When an injury occurs, EDUCTOR bioresonance programs should be used in conjunction with standard medical interventions to dramatically accelerate healing and recovery. Results are surprising, especially when done frequently.

### **Training Recovery**

The excessive demands of world-class training require quality rest and recovery. All current EPR biofeedback athletes are impressed with the improved recovery time they experience when using the device regularly. Quick recovery translates into better training, tolerance and improved contest preparation (particularly between heats or events). During high-volume training cycles and as athletes get closer to peaking, they often struggle more with sleep, digestion and rejuvenation. As the body becomes more

stressed, the autonomic nervous system gets stuck in a "sympathetic-dominant" state, which increases the likelihood of injury, infection and emotional distraction.

### **Mental Emotional**

One of the most intriguing abilities of the EDUCTOR is in providing insight into mental and emotional states. With a skilled operator, very specific emotional stress and historical information can be uncovered with uncanny accuracy and effectiveness. Discussing relevant emotional stress with athletes helps to validate their emotions and helps them to consciously comprehend the impact that emotional factors have on performance. All athletes have full lives, and athletics are only a part. Their ability to deal with concerns about family, peers and finances, relationships, competition pressure and other events in their lives have profound impact on competitiveness. This capability serves as a perfect complement for sport psychology and mental conditioning performed by the athletes' trained counselors and coaches.

**WHPRS Rating +11 Platinum**  
**science, registration, history, peer**  
**reviewed, medical universtiy, Govt License**



**TUV-CE**  
**Approved**

# Eductor

The word 'Doctor' comes from  
the Latin word  
'Eductor'  
which means 'to teach'.

Thomas Edison said that the  
doctor of the future will teach the  
patient how to live and how to eat,  
exercise and meditate.

The Eductor is a Biofeedback  
Teacher



**PROFESSOR DESIRÉ DUBOUNET**  
THE DEVELOPER

WE CAN HELP YOU TO INCREASE YOUR WELLNESS NATURALLY



## Biofeedback Research

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The following published articles support the general science of biofeedback, and its applications as effective therapies for a host of clinical ailments:

### **Biofeedback in the Treatment of Phantom Limb Pain: A Time-Series Analysis**

Harden, N.R., Houle, T.T., Green, S., Remble, T.A., Weinland, S.R., Colio, S., et al. (2005). *Applied Psychophysiology and Biofeedback*, 30(1), 83-93.

**Summary:** Researchers at the Center for Pain Studies located in the Rehabilitation Institute of Chicago/ Northwestern University Medical School performed a study of nine individuals with Phantom Limb Pain to assess the effects of biofeedback on pain. The participants received biofeedback treatments over the course of four to six weeks. The results of the study showed that eight of the nine patients experienced reductions in pain that varied from 25-66 percent.

### **Biofeedback in the Treatment of Headache and Other Childhood Pain**

Hermann, C., & Blanchard, E.B. (2002). *Applied Psychophysiology and Biofeedback*, 27(2), 143-162.

**Summary:** Much research has been conducted on the subject of the effects of biofeedback on childhood pain, mainly headaches. Empirical data was studied and reassessed by researchers at both the Central Institute of Mental Health in Mannheim, Germany and the Center for Stress and Anxiety Disorders in Albany, New York. The findings have shown evidence that approximately two thirds of the children experienced a 50% pain decrease regarding headaches. The studies concerning biofeedback on related pain such as arthritis and recurrent abdominal pain have shown to be inconclusive due to a lack of research.

### **Combined Heart Rate Variability and Pulse Oximetry Biofeedback for Chronic Obstructive Pulmonary Disease: Preliminary Findings**

Giardino, N.D., Chan, L., & Borson, S. (2004). *Applied Psychophysiology and Biofeedback*, 29(2), 121-133.

**Summary:** A study done was conducted at the University of Washington Medical Center to test the likelihood of an intervention that included heart rate variability biofeedback and walking with pulse oximetry feedback to improve quality of life for patients suffering from chronic obstructive pulmonary disease. Twenty participants were studied over the course of nine sessions using the Six Minute Walk Distance Test. Outcomes. The outcome showed a statistically and clinically significant improvement in walking distance and overall quality of life.

### **Biofeedback of R-Wave-to-Pulse Interval Normalizes Blood Pressure**

Rau, H., Buhner, M., & Weitkunat, R. (2003). *Applied Psychophysiology and Biofeedback*, 28(1), 37-46.

**Summary:** Doctors in Munich, Germany explored the way biofeedback treatment affected patients with problematic blood pressures. Twenty-two participants received three individual sessions over the course of two weeks. Twelve of the participants had high blood pressure while the other ten experienced low pressures. The findings concluded that both high and low pressures were modified in a significant and positive way after three sessions of biofeedback.

### **Biofeedback Treatment for Asthma**

Lehrer, P.M., Vaschillo, E., Vaschillo, B., Lu, S., Scardella, A., Siddique, M., et al. (2004). *Chest Journal*, 126(2), 352-361.

**Summary:** Research was conducted at the University of Medicine and Dentistry of New Jersey and the Robert Wood Johnson Medical School to evaluate the effectiveness of biofeedback as a complimentary treatment for asthma. Ninety-four adult volunteers with asthma participated. Results suggested that the participants required less steroid medications and averaged a decrease in one full level of asthma severity.

### **Comparison of the Efficacy of Electromyography, Cognitive-Behavioral Therapy, and Conservative Medical Interventions in the Treatment of Chronic Musculoskeletal Pain**

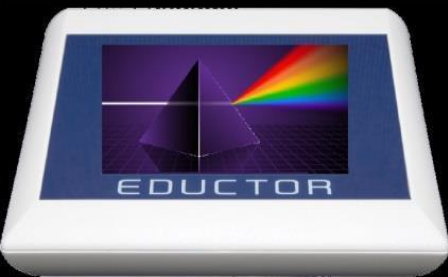
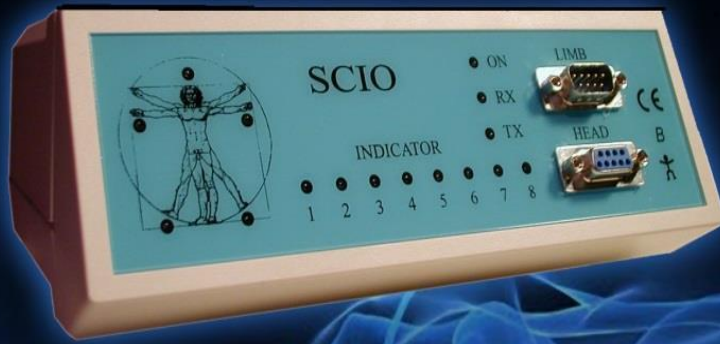
Flor, H., Birbaumer, N. (1993). *Journal of Consulting and Clinical Psychology*, 61, 653-658.

**Summary:** Researchers at the University of Tübingen in Germany compared three different types of treatments for chronic musculoskeletal pain to evaluate which would be most effective. The treatments compared were EMG biofeedback, cognitive-behavioral therapy, and conservative medical treatment. At the 24-month follow-up, only the biofeedback group maintained significant reductions in pain severity.

### **Biofeedback for Hypertension**

Health and Public Policy Committee, American College of Physicians. (1985). *Annals of Internal Medicine*, 102, 709-715.

**Summary:** The Health and Public Policy Committee has reported that biofeedback is a constructive tool to decrease the use of medication in patients with hypertension. The research is based on 10-20 thirty-minute sessions, which have been proven to lessen blood pressure levels.



# *Spinal* injury and pain

Using MTENS, and TVEP the SCIO can treat the spinal area for injury and pain.

Sending in an auto-focused sophisticated pulse different for each patient based on their personal electrical needs.



### **Biofeedback-Assisted Relaxation in Migraine Headache: Relationship to Cerebral Blood Flow Velocity in the Middle Cerebral Artery**

Vasudeva, S., Claggett, A.L., Tietjen, G.E., & McGrady, A.V. (2002). Medical College of Ohio, Toledo.

**Summary:** The departments of Psychiatry and Neurology at the Medical College of Ohio tested 20 patients experiencing migraines with and without auras. After being treated with 20 sessions of biofeedback the patients experienced a reduction in pain, depression, and anxiety. Patients with and without aura experienced equally positive outcomes.

### **Evaluating the Efficacy of a Biofeedback Intervention to Reduce Children's**

Wenck, L.S., Leu, P.W., D'Amato, R.C. (1996). *Journal of Clinical Psychology*, 2, 469-473.

**Summary:** Over a six-week period, one hundred and fifty 7th and 8th grade children with high anxiety were assigned to 12 sessions of biofeedback to determine if the treatments would aid in a reduction of symptoms. Students received six sessions of thermal training and six sessions of EMG training. The research showed that there was a significant decline in both state and trait anxiety.

### **Biofeedback in the treatment of heart failure.**

McKee MG, Moravec CS. Department of Psychiatry and Psychology, Cleve Clin J Med. 2010 Jul;77 Suppl 3:S56-9.

#### **Abstract**

Biofeedback training can be used to reduce activation of the sympathetic nervous system (SNS) and increase activation of the parasympathetic nervous system (PNS). It is well established that hyperactivation of the SNS contributes to disease progression in chronic heart failure. It has been postulated that underactivation of the PNS may also play a role in heart failure pathophysiology. In addition to autonomic imbalance, a chronic inflammatory process is now recognized as being involved in heart failure progression, and recent work has established that activation of the inflammatory process may be attenuated by vagal nerve stimulation. By interfering with both autonomic imbalance and the inflammatory process, biofeedback-assisted stress management may be an effective treatment for patients with heart failure by improving clinical status and quality of life. Recent studies have suggested that biofeedback and stress management have a positive impact in patients with chronic heart failure, and patients with higher perceived control over their disease have been shown to have better quality of life. Our ongoing study of biofeedback-assisted stress management in the treatment of end-stage heart failure will also examine biologic end points in treated patients at the time of heart transplant, in order to assess the effects of biofeedback training on the cellular and molecular components of the failing heart. We hypothesize that the effects of biofeedback training will extend to remodeling the failing human heart, in addition to improving quality of life.

**Biofeedback for headaches.**

Schmerz. 2010 Jun;24(3):279-88; quiz 89. Kropp P, Niederberger

**Abstract**

Biofeedback is a direct feedback of a physiological function. The aim of biofeedback is to change the physiological function into a required direction. To manage this, the physiological function has to be fed back visually or acoustically and it has to be perceived consciously. Biofeedback as a therapeutic practice derives from behavioural therapy and can be used in the context of behavioural interventions. Biofeedback has proved to be successful in non-medical treatment of pain. According to more recent meta-analyses biofeedback reveals high evidence in the treatment of migraine or tension-type headache. In these headaches biofeedback procedures are considered highly effective.

PMID: 20563685 [PubMed - in process]

**Virtual reality in the treatment of generalized anxiety disorders.**

Stud Health Technol Inform. 2010;154:39-43. Gorini A, Pallavicini F, Algeri D, Repetto C, Gaggioli A, Riva G.

**Abstract**

Generalized anxiety disorder (GAD) is a common anxiety disorder characterized by 6 months of "excessive anxiety and worry" about a variety of events and situations. Anxiety and worry are often accompanied by additional symptoms like restlessness, being easily fatigued, difficulty concentrating, irritability, muscle tension and disturbed sleep. GAD is usually treated with medications and/or psychotherapy. In particular, the two most promising treatments seem to be cognitive therapy and applied relaxation. In this study we integrated these approaches through the use of a biofeedback enhanced virtual reality (VR) system used both for relaxation and controlled exposure. Moreover, this experience is strengthened by the use of a mobile phone that allows patients to perform the virtual experience even in an outpatient setting. This paper describe the results of a controlled trial (NCT00602212) involving 20 GAD patients randomly assigned to the following groups: (1) the VR and Mobile group (VRMB) including biofeedback; (2) the VR and Mobile group (VRM) without biofeedback; (3) the waiting list (WL) group. The clinical data underlined that (a) VR can be used also in the treatment of GAD; (b) in a VR treatment, patients take advantage of a mobile device that delivers in an outpatient setting guided experiences, similar to the one experienced in VR.

**Prolonged Electromyogram Biofeedback Improves Upper Extremity Function in Children With Cerebral Palsy.**

Bloom R, Przekop A, Sanger TD.

Stanford University, Stanford, California. J Child Neurol. 2010 Jun 4. **Abstract**

Biofeedback of muscle activity is commonly used as an adjunct to physical therapy, but it has not previously been used for long-term treatment of movement disorders. The authors hypothesized that chronic daily use of biofeedback of muscle electrical activity might promote improved use of the upper extremity in children

with cerebral palsy and upper extremity motor deficits. They constructed a portable electromyography (EMG) unit that includes a surface EMG sensor and amplifier, microcontroller-based nonlinear signal processing, and vibration feedback of muscle activity. A total of 11 children ages 6 to 16 years, with cerebral palsy or acquired static brain injury, wore the device at least 5 hours per day for 1 month. Changes in upper extremity function were assessed using an individualized Goal Attainment Scale. Results showed significant clinical improvement in all 10 children who completed the study. These results suggest that further testing of prolonged surface EMG biofeedback is warranted.

