



Computerised **Biofeedback** Audio & Visual



An effective device
to teach relaxation without consuming
pills and hence no side effects

Pioneers in the field of Neuro-Psychiatry and Psychology

What is biofeedback

Biofeedback is a technique in which people are trained to improve their health by learning to control certain internal bodily processes that normally occur involuntarily, such as heart rate, blood pressure, muscle tension and skin temperature. These activities can be measured with electrodes and displayed on a monitor that both the participant and his or her practitioner can see. The monitor provides feedback to the participant about the internal working of his or her body. This person can then be taught to use information to gain control over these "involuntary" activities.

How does biofeedback work

Scientists are not able to explain exactly how or why biofeedback works, there does seem to be at least one common thread : most benefit form biofeedback have conditions that are brought on or made worse by stress for this reason, many scientist believe that relaxation is key to successful biofeedback therapy.

What happens during a biofeedback session?

In a normal biofeedback session, electrodes are attached to the skin. These electrodes then feed information to a small monitoring box that translates the physiologic response into a tone that lines moving in pitch, a visual meter that varies in brightness, or a computer screen that mental exercises. Through tries and error, people can learn to identify and control the mental activity that will bring about the desired physical changes.

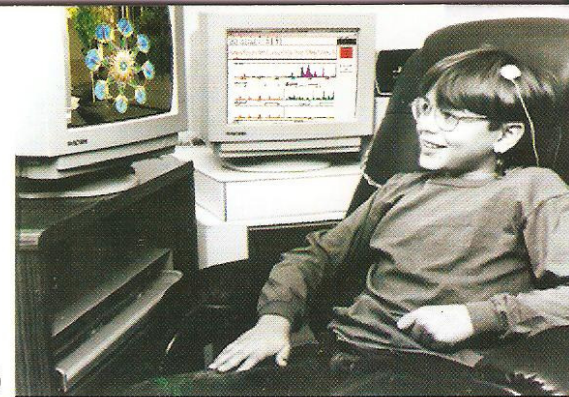
How many sessions will I need

Each session generally lasts less than one hour. The number of session required depends on the condition being treated. Many people being to see results within 8 to 10 sessions. Treatment of headache, incontinence, and Raynaud's disease (A condition that causes diminished blood flow to the fingers, toes, nose, or ears) requires at least 10 weekly sessions and then less frequent sessions as health improve. Conditions like high blood pressure, however, usually requires 20 weekly biofeedback sessions, you will also be taught mental before exercises and relaxation techniques that can be done at home and must be practices at least 5 to 10 minutes every day.



Therapeutic Management of :

- Chronic Stress
- Anxiety
- Asthma
- Anorexia
- Autism
- Raynaud's disease
- Autism
- Backpain
- Bed Wetting
- Constipation
- Diabetes
- Headache
- Migraine
- Fecal Incontinence
- Epilepsy and related seizure Disorders
- High Blood Pressure
- Irregular heartbeats (cardiac arrhythmia)
- Learning Disabilities
- Motion sickness
- Muscle Spasms
- Sexual disorders including pain with inter course
- Spinal Card Injuries.

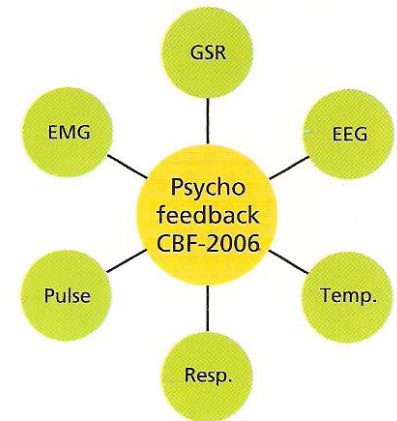


Neurofeedback useful in students having examination stress, lack of concentration and hyperactive

Are there different types of biofeedback

The six commonly used forms of biofeedback therapy are:

- Neurofeedback or electroencephalography (EEG), which measures brain wave activity
- Electromyography (EMG), which measures muscle tension
- Thermal biofeedback, which measures skin temperatures
- Pulse Rate
- GSR Biofeedback
- Respiration rate Biofeedback, which measures Respiration Rate



Are there any risks associated with biofeedback :

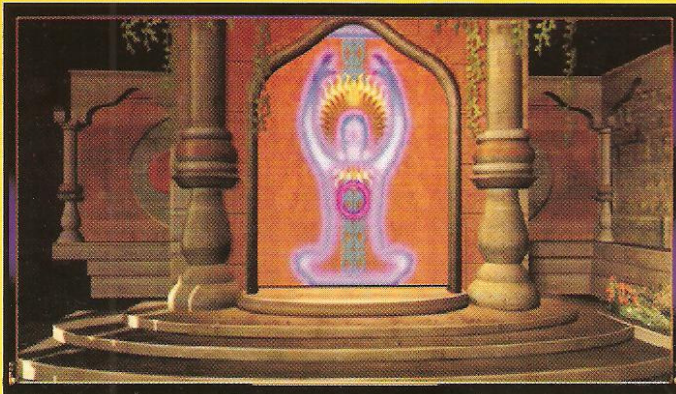
Biofeedback is considered a safe procedure. No negative side effects have been reported.

How can I find a qualified practitioner:

Specialists who provide biofeedback training range from psychiatrist and psychologists to nurses, dentist, and physicians.

Biofeedback Games :

Select a game out of number of games provided. Playing our games you learn the skills of relaxation.



3D Graphics biofeedback games for participants

We are manufacturing three models of Biofeedback system

Neurofeedback NB-208



Specially used for the management of Stress, Depression, Insomnia, Concentration problem in children & adult, ADHD (Attention Deficit Hyperactive Disorder) in children and adult, OCD (Obsessive Compulsive Disorder) Headache and many more.

"Neurofeedback" is used to enhance a particular frequency based of EEG (electroencephalograph) waves.

The EEG measures brain waves of different frequencies within the brain. Electrodes are placed on specific sites on the scalp to detect and record the electrical impulses within the brain.

The raw EEG has usually been described in terms of frequency bands : **GAMMA** (greater than 30Hz) **BETA** (13-30Hz) **ALPHA** (8-12Hz) **THETA** (4-8Hz) and **DELTA** (Less than 4Hz)

The effect of enhancing different frequency band activity via training through MEDICAID'S Neurofeedback are detailed below:

1. **DELTA** (0.1 to 4 Hz) can induce drowsiness, trance, deeply relaxed states.
2. **THETA** (4-8Hz) can induce drifting, trance-like state and if suppressed can improve concentration, ability to focus attention.
3. **ALPHA** (8-12Hz) can produce deeper states of relaxation and to improve the quality of sleep.
4. **SMR** (12-15Hz) can produce relaxed focus, improved attentive abilities.
5. **MIDRANGE BETA** (15-18Hz) can produce mental ability, focus, alertness, IQ etc.
6. **HIGH BETA** (Above 18Hz) can induce alertness but may also produce agitation etc.

Neurofeedback beneficial for:

- Persons with Psychiatric and Psychological problems and Tired of taking Medicines.
- Students, Executives, CEO's and Call Centre Employees.
- Hotels, Resorts, Spa, Wellness Lifestyle Centres
- Anybody and Everybody who wants to remain Healthy without Medicines!

Psychofeedback CBF-206

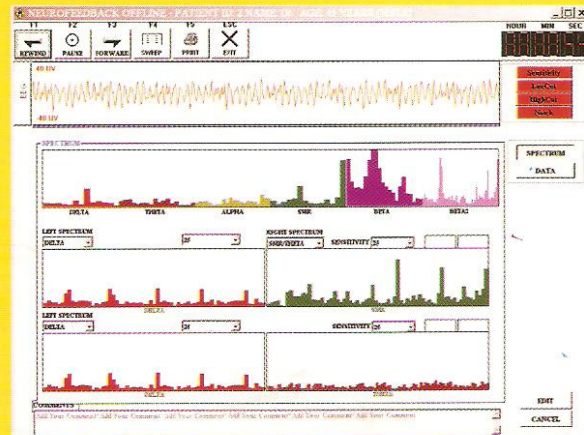
Consisting of: GSR, Temp., Pulse, Resp., EMG,
-EEG (Neurofeedback) parameters

Mayosym MS - 207

Consisting of: EMG, GSR, EEG (Neurofeedback) parameters

Minimum computer hardware requirement :

COMPUTER : Pentium-IV, 256 MB RAM, 1.44 MB FDD, 80 GB HDD, CD ROM, Keyboard, Mouse
MONITOR 1 : CRT/LCD for test data
MONITOR 2 : CRT/LCD for animation pictures
PRINTER : Windows supporting any colour printer
OPERATING SYSTEM : Windows XP/ Vista



Neurofeedback spectrum analysis



3D Graphics biofeedback games



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MEDICAID SYSTEMS

389, INDUSTRIAL AREA, PHASE-II,
CHANDIGARH-160 002 (INDIA)
PHONE : 0172-2652706, 2641203
FAX : 0172-2653608
e-mail : info@medicaid.co.in
Website : www.medicaid.co.in

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