



hearing · seeing · comprehending

**The Warnke<sup>®</sup>-Methode**  
Help for perception improvement





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Dear reader,

**Does your child have a problem with balancing and climbing?  
Is he sometimes lost for words when trying to tell you an exciting story?  
Does he speak clearly?  
Does he make an unusual number of spelling mistakes?  
Do the problems he has in reading have a detrimental effect on the marks he gets at school in maths and foreign languages?  
Or are you a person, that is not yet 'old' but have been diagnosed with age related hearing loss?**

**If you recognise your child or yourself after answering the above questions, then we suggest you should perhaps carry on reading.**



*This is how we can help you and your child.*

The *MediTECH* Electronic GmbH offers an extremely successful test and training program. This programme is aimed at helping both children and adults to compensate deficits in their central processing and perception. A great number of trainers and experts that work according to the Warnke® Method confirm that, children and teenagers with reading and spelling difficulties are often accompanied by noticeable problems in the central hearing process, the motor functions, self awareness, the sense of balance, the eye-hand and auditive motor functional co-ordination. If the *MediTECH*®-Training programme is used to train these basic skills sustainable progress can be achieved. This clearly has a positive effect on the ability of the trained person to express himself correctly in both the written and spoken word.

The inability to concentrate, chronic pain or migraine, these symptoms not only demand a lot of patience on the part of the sufferer but also from those around him. *MediTECH*® offers in cooperation with the Canadian company Thought Technology Ltd treatment with Biofeedback and Neurofeedback, whereby the patient's body learns to help itself without adverse side effects.

It doesn't matter whether it is a child or an adult, when a person is limited in their activities we want to offer comprehensive help and fast.

With a lot of creativity for new products, new target groups and new challenges, we open up, again and again, complimentary assignments where we can systematically help.



Warnke® method



Sarah

### Training with fun



**Sarah is an alert nursery child. She is artistic, enjoys playing with her friends and sings beautifully.**

**However there are certain things that Sarah simply doesn't like because she finds them difficult. She doesn't like going to gym or to the playground, she feels anxious and uncertain when she has to climb or balance on something and although Sarah can make up wonderfully imaginative stories she has great difficulty putting them into words that others can understand.**

20% of our children are like Sarah, and have not reached the level of speech development expected of their age group. Our command of speech is however the foundation of our ability to communicate with others and to learn the written language.

The Lateral Training from Warnke® offers the opportunity of counteracting problems like Sarah's by improving the coordination between both cerebral hemispheres and so positively influencing the child's speech development.

Sarah trains on the Lateral Trainer once a week with her therapist. She hears amusing stories as well as children's songs and they also practice pronouncing the words correctly. However the exercises on the seesaw board are what she enjoys most.

It was not long before an improvement became evident: Sarah now enjoys going to gym, this is because she feels much more confident. She practices balancing everyday and is delighted with her new found skill. The nursery teacher confirms that Sarah can speak much more fluently and clearly since she started the training. Sarah is happy because now everyone understands what she has to say.

## *Brain-Boy® instead of Gameboy\**



**Max loves playing with his best friend Tim. At school, he likes the sport lessons. However the other lessons, especially Maths and German are not so much fun. He makes a lot of spelling mistakes and when he has to write a dictation he often mixes up the letters or leaves whole words out because it's all too fast and he can't keep up. When he practices at home with his mother he copes much better but at school he sometimes gets quite desperate. In the mornings before Max goes to school, he often has a headache or tummy ache.**

10-15% of the children in Max's year have reading and spelling or maths disabilities and this is also the cause of other problems at school. These problems are often caused by deficits in the basic modules for processing information. These so called low-level-functions are the essential prerequisites for reasoning, speaking, writing, reading and calculating. We know it is useless for children who already have reading and spelling disabilities to practice even more reading and even more spelling, the problem lies much deeper.

The ideal trainer for the basic functions of information processing is the *Brain-Boy®*.

A four months training by pupils with reading and spelling disabilities achieves an impressive improvement in both reading and spelling.

Max found after only two months regular training with his 'cool' device, that it became much easier for him to write dictations. He understood the words much better and could write them down more quickly. He often had less spelling mistakes than his friend Tim. Now Tim wants to use Max's clever Gameboy\* all the time.



\* Registered trademark of Nintendo

*Lateral Training  
for day to day life  
at school*



Warnke® Method



**During his free time Lukas likes to play on his computer or romp in the garden with his dog. At primary school he was a good pupil, he just didn't like reading. This has remained unchanged until today.**

**He now attends a grammar school. He finds it difficult to write detailed, well structured texts. Even though he is good at calculating, his marks in Maths are only adequate. He also has problems learning a new foreign language.**

Good readers, read well due to the 'whole word method'. If you come across a difficult word you quickly spell it out, therefore we actually need both methods to read a text well and also understand it. However some children never move on to learning the 'whole word method' and continue to use the 'spelling method', they read haltingly and find it difficult to understand a text properly. Others, however move on from the 'spelling method' to the 'whole word method' too quickly, later they also have problems reading a text well and are not able to understand and remember it correctly.

The PISA-Studie confirmed that 23% of our children are not capable of understanding a text correctly. The Lateral Trainer from Warnke® offers an ideal solution for Lukas. He makes up for what he missed out on at primary school and learns both reading methods. Lukas reads nonsense texts on the Lateral Trainer, they sound like a language from another planet. He hears the text going from ear to ear in his headphones and reads the text at the same time. Its fun because he realises it makes it much easier for him to remember what he has read. He can even learn English texts laterally. His pronunciation has improved and also his understanding of the language. His teacher has even put his name forward for a school exchange trip to England.

# Robert



**Robert is a civil engineer and the head of department in a large company. His professional experience and knowledge is in demand and he really enjoys his job. In his spare time, when he is not busy with his two grandchildren who live just around the corner, he likes to go sailing with his wife. Robert knows 'what life is all about'.**

However he had been noticing for some time that he no longer heard and understood every single phrase in a conversation and his wife often had to repeat things for him. The Ear, Nose and Throat Specialist confirmed that Robert was suffering from the initial stages of age-related deafness, signs of wear which can be easily corrected with a hearing aid.

That didn't satisfy Robert. He looked for a solution which will enable him to work on the problem himself. His doctor tells him that 'real' hearing is a function of the brain. The doctor recommends that he trains with AudioFitness Audio Trainers from Warnke which will enable Robert to train and improve the processing of the sound occurrences in his brain.

The solution was exactly to Robert's liking. He decided he would train every evening for 15 minutes when he got home from work and even if the grandchildren came to play he wouldn't let it disrupt his training plan.

The children sat on his knee and watched, fascinated. After two months he experienced the first improvements. Robert started to feel at home again in conversations and no longer felt he was missing out.



# Sensorimotor

*Integral support with MediTECH®-products.*

Sensorimotor functions can be used in therapy to improve movement and movement patterns. There is a direct link between the detection of a stimulus by a sensory organ and the motor behaviour. The connection between sensorial and motor performance is described as sensorimotor functions.

These processes run parallel e.g. between the eye and the ear and the well directed control of arm and foot movement when driving a car.



## Sensorimotor

Children with reading and spelling disabilities can have a problem differentiating between different high pitched sounds. On the other hand abnormalities are often identified in the sphere of sight and motor activity. Affected persons often have a problem pressing a button on a given signal.

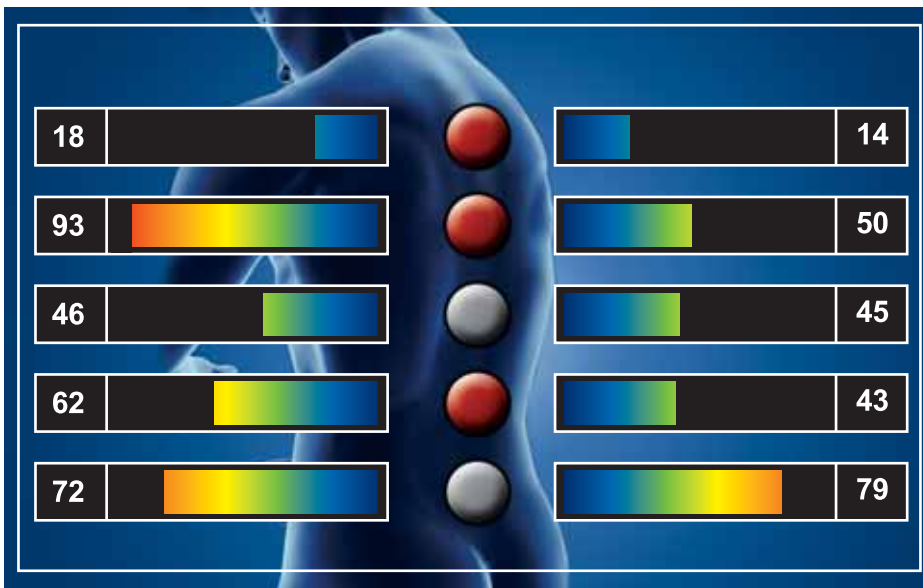
A systematic training with the *Brain-Boy*® from *MediTECH*® can help. It enables clients to train their hearing, their sight and their motor skills. In a scientific study, carried out in 2002 by the Medical School in Hanover, it was discovered that the improvement in spelling that was achieved by training with the *Brain-Boy*® was three times as great as those achieved by traditional methods.

Further devices offered by *MediTECH*® for the improvement of gross and fine motor skills are the Seesaw Board, a Balancing Beam or a Lying 8. All these can be combined with the other elements of the Warnke® Method e.g. with Lateral Training.





# Biofeedback



*The body learns to help itself.*



Biofeedback



MediTECH® offers in cooperation with the Canadian company 'Thought Technology' a variety of Biofeedback methods in the field of non-medicated therapy forms. With the help of these methods it is possible to measure and train numerous body functions. The learning processes which have been self-accomplished by the clients support sustainable therapeutic results.

Biofeedback is the response to the biological signals of the body which under normal conditions can be totally lost or only vaguely registered.

The actual procedure is as follows. The therapist attaches one or more sensors and electrodes to the patient's body depending on what the aim of the therapy is, these then make it possible to measure numerous different body functions. These include the reading or rather the training of the heart, breathing and muscle activity, the conductivity of the skin and the blood volume pulse. The signals received are then 'feedback' by computer either visually or audibly so that the patient is aware of them.

This creates a process, whereby a person can learn to improve their health, their performance and their wellbeing by watching their own body signals. It is possible for the patient to warm their hands, breath more evenly, control their blood pressure or relax muscle tension.

# Neurofeedback

*Help for  
Attention Deficit  
Disorder – without  
side effects.*



Neurofeedback

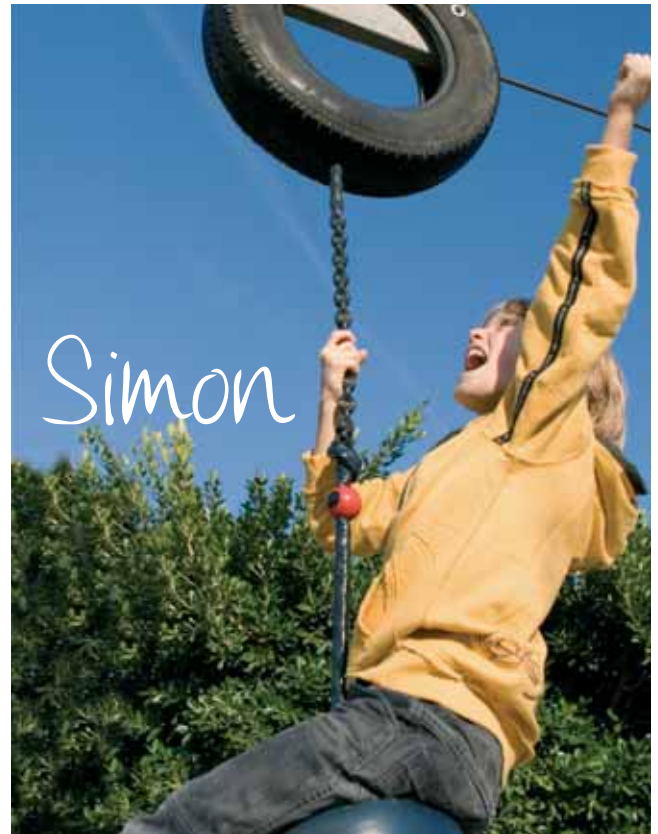
**A special form of Biofeedback is Neurofeedback (EEG – Biofeedback). It allows one to gain even more self control over brain activity. Brainwaves are measured by an EEG – Sensor and converted via a computer programme into a form that the client can recognise (either graphic or audio). The client immediately sees on the monitor selected images that are visually or audibly a response to positive changes in his brain activity.**

This 'success report' allows the client to achieve this state of brain activity more quickly and more constantly and eventually after a conscious learning process, without the use of sensors. During this process the brain is no longer supplied with electrical impulses, however the strength of the various brain waves is measured. Neurofeedback optimises the organisation of brain activity.

In contrast to conventional mental treatment or the use of medication, the training with Neurofeedback takes place in the form of inhibiting or strengthening exactly the right regions of the brain which are in need of support. There is no record to date of any negative side effects or complications.



## The Key to Concentration



**Simon is a lively child, he wants to be on the go all the time. He is really good at riding his bicycle and climbs trees like a monkey**

**Unfortunately at school he can't concentrate on one thing for any length of time. This means he misses out on a lot and this makes him restless and angry. The others make fun of him because he always appears to be a troublemaker. Simon is an intelligent child. He picks up considerably more impressions than other children and because of this he is continually 'hyped up'.**

Simon is an ADD child. Children with Attention Deficit Disorder have a problem concentrating and being quiet. It is sometimes very difficult for them to complete their normal schooling and as adults they can still have many problems as a result of ADD.

Simon is helped by a Neurofeedback device from 'Thought Technology' (*MediTECH®* represents the world market leader in Germany, Austria and Switzerland). Full of enthusiasm, Simon playfully trains his concentration once a week. He can't accurately describe how he manages this.

The training teaches him to focus and relax. Simon's concentration improves after every session. He gains in confidence, not only in his own body but also in his capabilities, something he had not experienced up until now.

Contact details for professional users are available direct from *MediTECH®*, Wedemark.



# What's next?

Did you recognise yourself in our examples or a child you know.

It is irrelevant whether it is your own child or a child you deal with in your job as a doctor, therapist or teacher ...

Do you need specific advice on what to do now or on how to reach *MediTECH®*, our customer services or where to get our products?

## Education

Train to be a certified Learn Trainer following the Warnke® method in cooperation with Leichter Lernen e.V. ([www.leichterlernen.eu](http://www.leichterlernen.eu))\*

## Information

## Seminars

Further education on topics such as Warnke® Method, Sensorimotor functions/reflexology, Biofeedback/ Neurofeedback, Theory of Education.\*

\* you'll get dates by phone or at our homepage: [www.termine.meditech.de](http://www.termine.meditech.de)

## Forums

Warnke®-Newsgroup,  
AudioFitness-Newsgroup,  
Biofeedback-Newsgroup\*

## Internet

You will find on our homepage  
in internet:

- Qualified contacts for tests and training.
- The dates for courses and trade fairs.
  - Downloads and support.
- Product information and descriptions.

Parents,  
Doctors,  
Therapists,  
Education Experts.

## Courses / Events

Information events for parents, schools  
and prospective experts also in coo-  
peration with Lernen zu Lernen e.V.  
([www.legasthenie.de](http://www.legasthenie.de))\*

## Fairs

Trade fair  
presentation\*

Calls us when you have further questions:

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# About us

*We will keep you up to date on all aspects of the topic 'Sensory Support'*



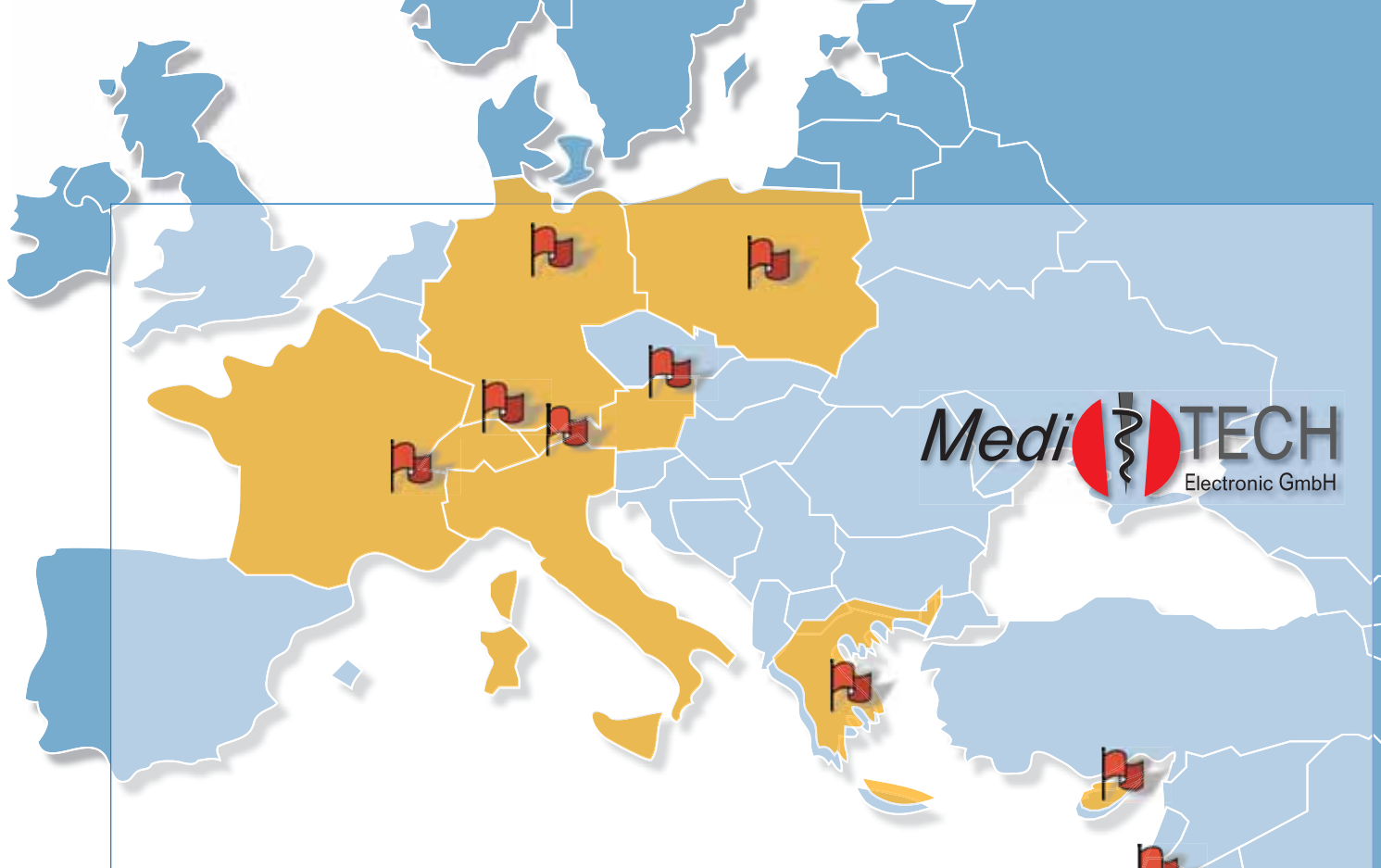
Karen and Ralph Warnke

## The company

**MediTECH Electronic GmbH, which was founded in 1996 by Fred Warnke is based in Wedemark, north of Hanover, Germany. The company offers a varied programme of aids for the sensory training of children and adults. MediTECH® works closely with research and practice.**

Fred Warnke is a specialist in hearing disorders/problems and communications advisor, his ideas were developed by a team of scientists, developers and practitioners, up to the stage where they could go into professional production. These new developments were tested in close cooperation with selected partners, therapists and clinics to ensure that they were ready for the market before being made available to a broad user group. We are constantly updating the existing programme of proven products. The Warnke® Method are supported by professional studies put together in close cooperation with well know institutes and scientists.

Our company gathers information in the field of central processing and perception, worldwide. We achieve this by exchanging information with scientists, researching in international data bases and of course we have our own websites in internet. On top of all this we cooperate nationally and internationally with other companies and institutions working in this field. MediTECH® offers high quality information events including practical courses not only for our cooperation partners but also other experts who are interested in or work in the field of perception support.



**MediTECH**  
Electronic GmbH

It is important to us, as a company to offer a friendly, high quality service and advice. By working together with therapists, doctors and institutions in Germany, Austria and Switzerland we can offer a network of Warnke® cooperation partners who all offer training and support in connection with the Warnke® Method. These contacts are familiar with our products and can offer extensive support with qualified advice and back up.

MediTECH® decided early on to set up an extensive network of sales partners in addition to the 'non commercial' network. We wanted to provide, in addition to the mother company, regional qualified partners as support for our clients.

It's up to you whether you contact MediTECH® directly or the sales partner closest to you, we guarantee you a qualified response, whether it's a technical question or a problem you have that needs solving.

In 2007 the company was certified according to ISO 13485 and ISO 9001. This guarantees the high quality of technical medical products, their production and sales.

Online you can reach us any time. You can order all MediTECH® products and find out more about the topics perception, recognition, brain functions, test and training, dyslexia and dyscalculia in our online-shop [www.shop.meditech.de](http://www.shop.meditech.de) and at our homepage [www.meditech.de](http://www.meditech.de). Please take a look!

MediTECH® is also a specialized publisher of technical literature like „Das Praxis-Handbuch zum Warnke®-Verfahren“ (A practice guide for the Warnke® method) and the „Handbuch zum Prüfablauf“ (Manual for test and training).

We show you the way ...



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