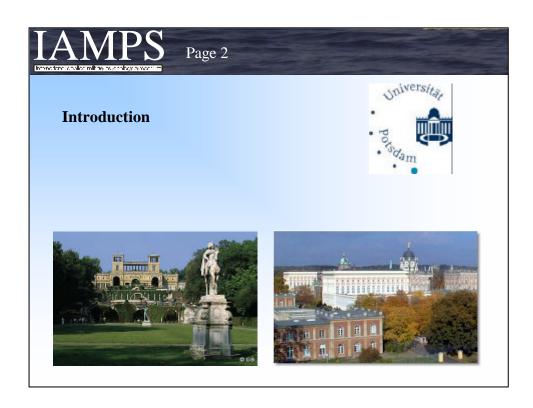


# RESPIRATORY BIOFEEDBACK

A new approach to stress intervention for the military

PROF. DR. MED. HABIL. DIPL. PSYCH. DIETER SEEFELDT





#### A short overview

Since 1975 I have worked in the field of treating psychosomatic patients.

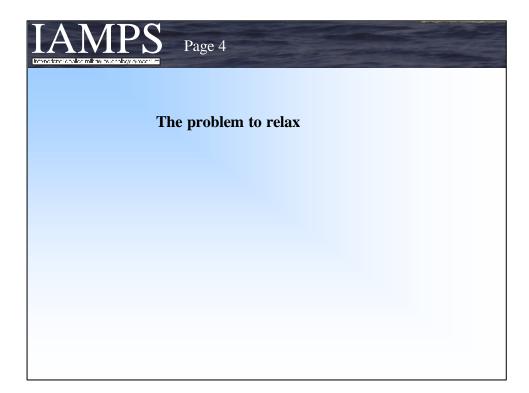
Part of my job has been the design and use of biofeedback (BF) apparatuses.

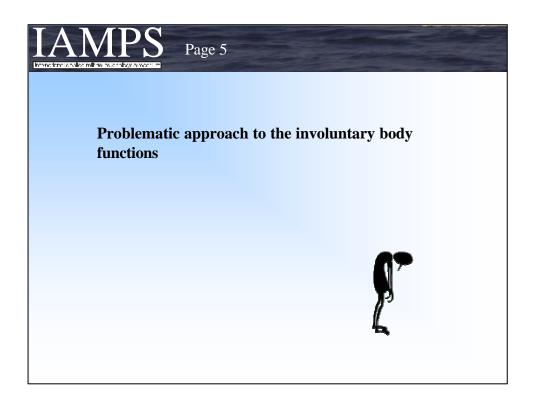
BF includes electronic methods for the self- control of autonomous bodily functions.

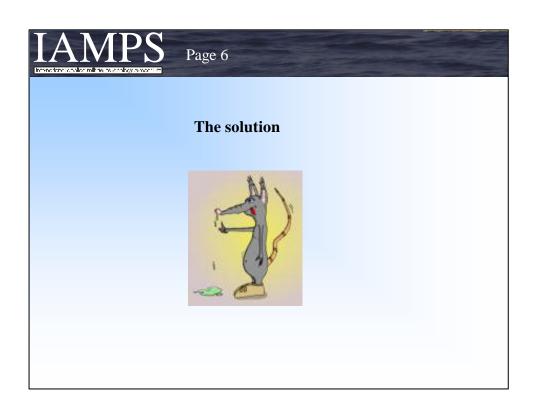
BF can be used well used for psychophysiological relaxation.

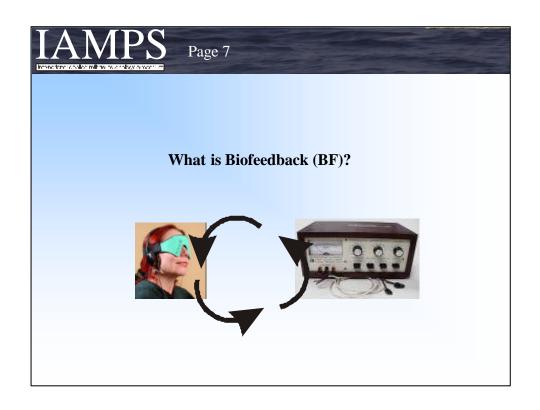
For this the methodical approach to respiration is our favorite.

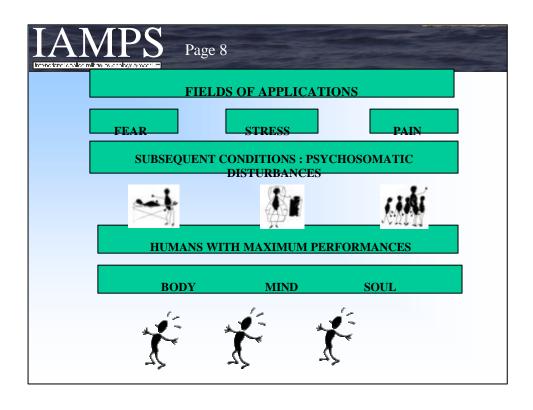
The mobile RFB.micro is suitable for relaxation intervention in the military sector.

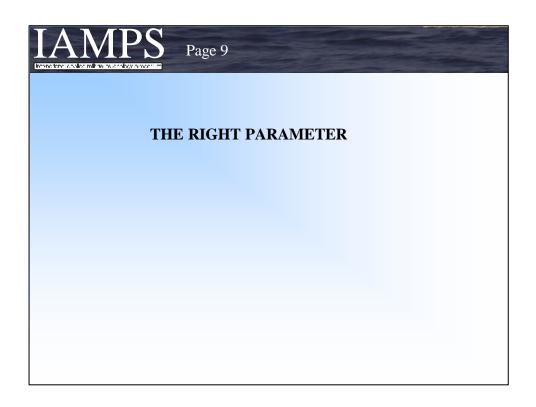


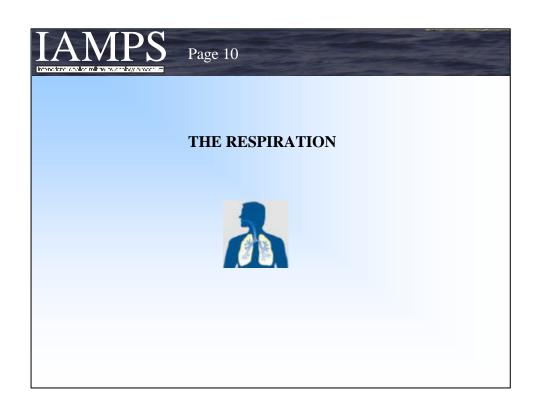


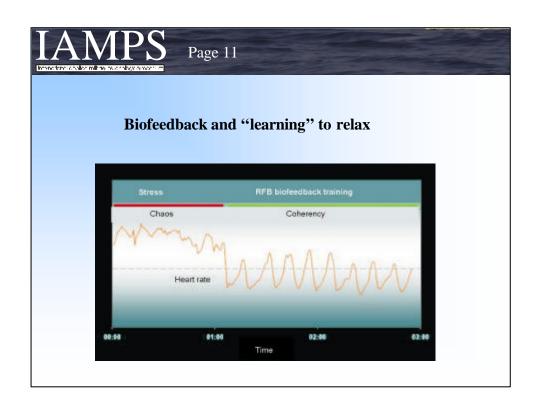


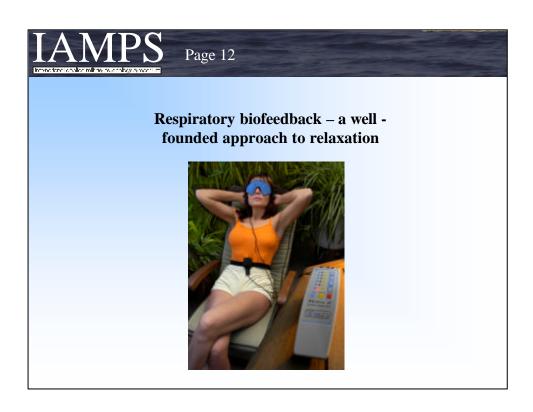


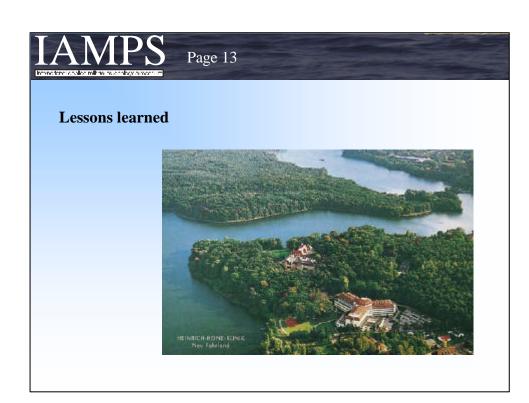












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## **Changes and opportunities**

BF is a combination of methods including

- operant learning.
- the use of electronic apparatuses and.
- psychological interventions.

Even difficult patients can relax by means of BF.

Motivation is increased.

Attitudes to relaxation methods and psychological intervention are changed.

Reduced learning time for relaxation.

Cost reduction in drugs.

Increased self- efficiency.

 $Simplified\ access\ to\ psychotherapy.$ 

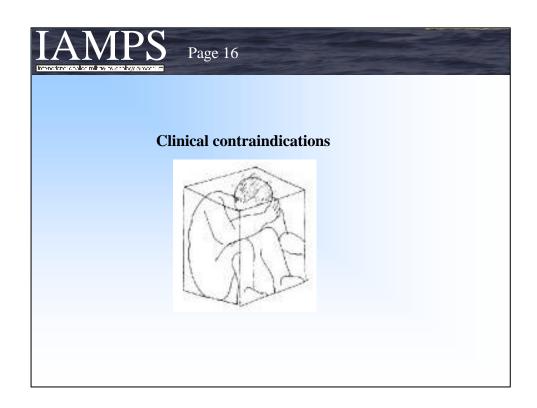
BF is often an important component of a complex prevention and therapy system.

Therapist and patient relationship is most important.



#### **Risks and Limitations**

- Risks are low. There is no dependency.
- There are different limitations with the respective parameters.
- Immediate influence on patients can be rapidly exerted.
- A shift of relaxation to daily use without a BF apparatus is not easy.
- The relaxation process should be controlled and stabilized by a therapist.
- The relaxation effect can be observed after a longer training period.
- BF is only one component of the whole therapy system.
- A therapist specialized in BF.
- A good therapist- patient relationship is essential.

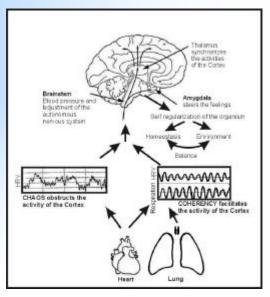




#### Wirk factors of RFB

The lungs and the heart affect brain functions.

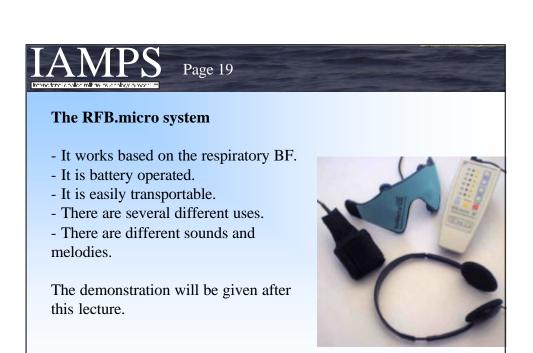
The relaxation process is based on the same nerve and hormone patterns like the stress mechanism, but in the opposite direction.

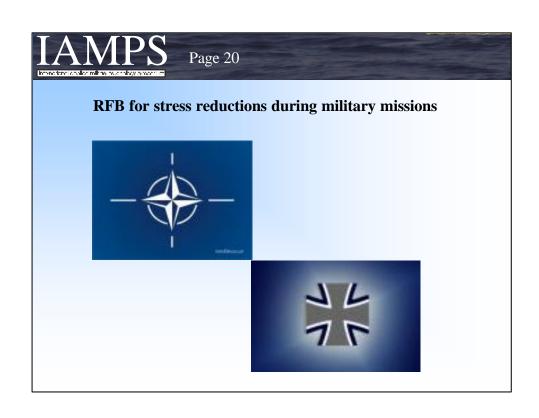


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### Wirk factors of BF

- Expectations
- Motivation
- Self-efficiency
- BF principle
- Special indicator
- Amplification of positive feedback
- Learning process
- Interoception
- Therapist patient interaction
- Suggestion, Autosuggestion, Placebo
- Information
- health and disease model
- Change of attitudes







## The message

BF is a method for developing self- control of body functions.

BF is a combination of methods including operant learning, the use of electronic apparatuses and psychological interventions.

It is suitable for relaxation and stress reduction.

The approach to respiration is particularly useful.

BF training should be followed by self training methods.

Mobil RFB.micro is useful in the military sector.

