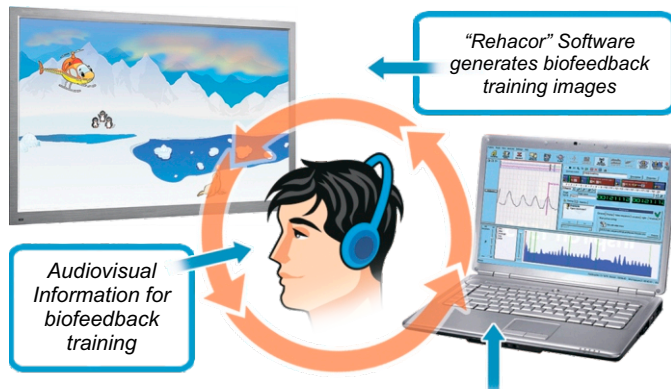


Equipment for biofeedback, neurofeedback, sports medicine and scientific research – brief catalogue

Equipment and "Rehacor" software for biofeedback and neurofeedback training

"Rehacor" software uses the "physiological mirror" principle for carrying out biofeedback and neurofeedback procedures and promotes learning skills of psychosomatic regulation for the purpose of rehabilitation and health, as well as improving psychophysiological capabilities.



Physiological parameters transmission to "Rehacor" Software

Psychophysiological telemetric system "Rehacor-T"

(4 - 10 channels)

Module ABP-4

Module ABP-10

Electroencephalograph "ENCEPHALAN-EEGR-19/26" Modification "Mini"

(10 - 14 channels)

Complex of control and analysis of psychophysiological information "Encephalan-Next"

Modification "BFB" (1 - 3 channel)

Modification "BFB-Universal" (10 channel)



Module ABP-2

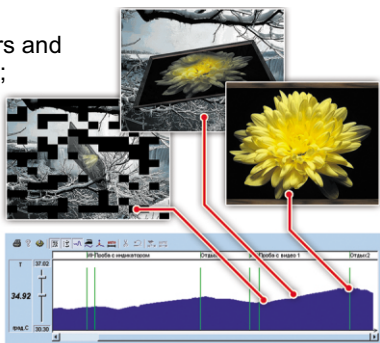
Module POLY-8 with module ABP-8



Audiovisual forms diversity of biofeedback images makes each procedure original and stimulates the patient's motivation for actual state transformation.

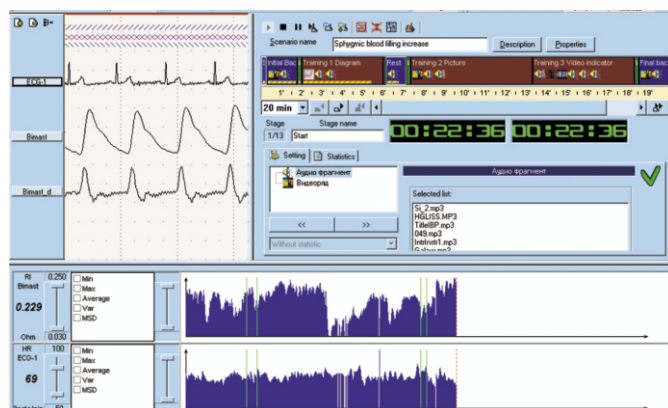


- trends, scales, diagrams, images, slides, videos, animation and various game plots;
- information screensavers and instructions for procedures;
- linear, three-dimensional and noise-like distortions, morphing of images, connected with physiological signals changes (biofeedback);
- various audio fragments (music, voiced and other instructions, sounds of nature).



By means of this software a patient has a literal opportunity to see and hear nuances of their state change.

Biofeedback and neurofeedback procedures from the library use different parameters and their combinations depending on equipment suit: rhythm of EEG signals and their correlation, superslow electrical brain activity, heart parameters (heart rate, pulse transit time, systolic wave amplitude), blood circulation (central hemodynamics and cerebral circulation), autonomic nervous system (temperature, GSR), respiration, muscle activity (EMG and envelope EMG), etc.

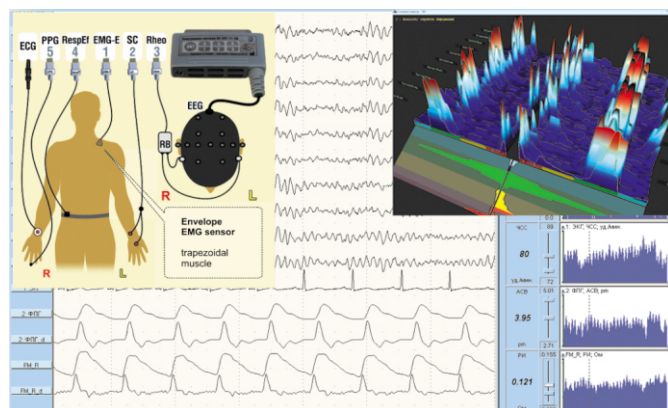


Monitoring and control of the process of biofeedback training.

- "Basic" software suit contains biofeedback procedures by various parameters.
- "Professional" software suit is supplemented with neurofeedback procedures with multichannel EEG record and multiparametric procedures.
- Additional procedures.

Flexible and convenient scenario editor allows modifying library procedures or creating new ones considering esthetic, intellectual, age and other preferences.

Multiparameter monitoring during neurofeedback training (for electroencephalographs-recorders "Encephalan-EEGR-19/26") allows a specialist to evaluate efficiency of regulatory mechanisms involvement of various levels in a test person in case of goal achievement (for example, alpha-rhythm and zonal differences optimization).



Stage-by-stage and course dynamics evaluation indicates the degree of success of a test person's effort to change physiological parameters in relation to different stages of biofeedback procedure and dynamics of the test person's state from procedure to procedure (integral efficiency).