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SANITATION AND REHABILITATION OF STUDENTS WITH BRONCHOPNEUMONIA

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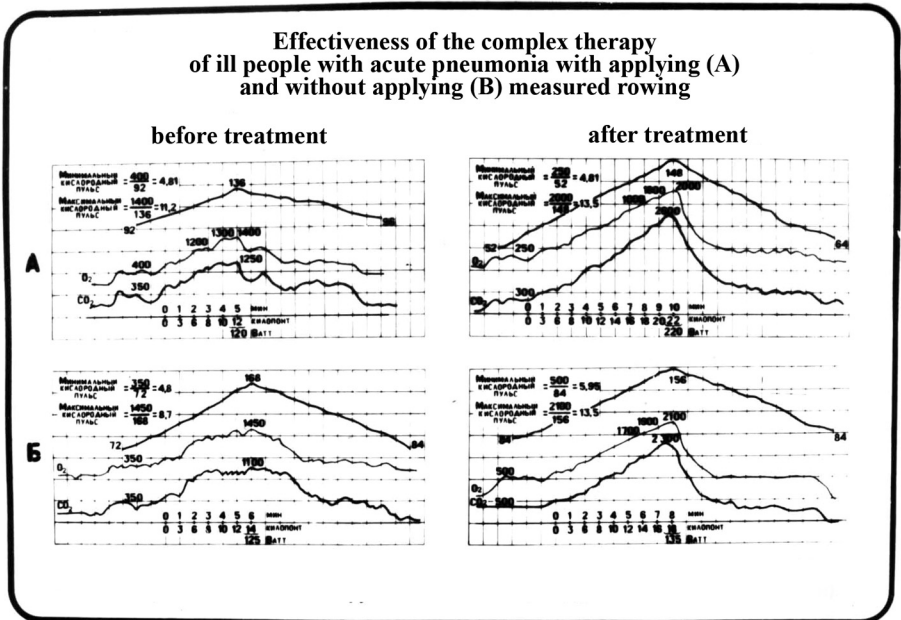
The method of sanitation and rehabilitation of students suffered from bronchopneumonia was developed by the academician V.G. Paschenko in the scientific-research department of Luhansk Taras Shevchenko National University.

Our method is realized with the help of medical rowing held with the load in kilograms (kgm), in minutes during the period as well as during the day or the whole course. It is carried out in combination with medical swimming that does not exceed 3400 meters more than 16 cycles during two months.

We propose to use V.G. Paschenko's training simulator (the Ukrainian patent number 80049) for medical rowing in the ionized room saturated with negative ions. The concentration is 500-5000 ions in one cm³, air moisture is 30-40% with using a balsam of fir.

This program proposed and developed by us consists of two-month medical swimming (3400 meters) and two-month medical and sanitation rowing (the load is 97600 kgm).

While applying medical and sanitation rowing we got the following results:
- improvement of student health;



- sleep and appetite becomes better;
- dry rales and harsh breathing disappear from the lungs;
- vital lungs capacity increases to 350 ml;
- the force of expiratory muscles of expiration increases to 80 millimeters of mercury;
- work capacity improves.

The research results showed that usage of medical and sanitation rowing simultaneously with medical swimming, that is adequate with functional abilities of students were ill with pneumonia, activates the mechanism of physiological functions adaptation, raises the reserve abilities of the respiratory and cardiovascular systems.

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COMPUTER-AIDED TRAINING OF DOCTORS AT CLINICAL DEPARTMENTS

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Educational technologies based on structuring students' intellectual activity are traditionally used in Tomsk school of medical thought. They include theory of diacrisis as a basis for studying clinical tasks, decomposition of doctors' thinking according to the ways of reasoning (classifying, use of statistics, recognition by analogy, logical deduction, systems analysis), simulation exercises, modeling clinical settings, modeling teaching material acquirement structure.

Computer system model for doctors' training by method of situational problems solution is offered in the report. Besides standard function of establishing problem conditions and getting the solution, the project contains operations aimed at developing in students skills of professional comment on clinical presentation. The project is unique because its goal is to create a system for realizing intuition potential of students in the part of a doctor's thinking in which a patient's image is perceived and completed to a recognizable clinical presentation sufficient for identification and making a decision within a single stage, in contrast to lengthy situation analysis .

As a structural basis for clinical situation description we have chosen frame. According to its content the frame corresponds to case history (CH) and is subdivided into five enclosed frames: factographic part of case history, comment on clinical presentation, treatment protocols, problem-solving protocol and epicrisis. Each frame consists of named slots, each slot consists of four facets: current slot value, value type, default value, reference to a trigger. At the beginning of a problem solving the first frame slots are filled in while value facets of the others are empty. Problem solving is programmed as a process of going through factographic part with breakpoints in which a student must answer questions on the basis of incomplete information and record his/her arguments in empty value facets. If a student has any difficulties he/she can turn for help either to computer