

State Educational Institution of Additional Professional Education Saint Petersburg Medical Academy of Post-Graduate Studies of the Ministry of Healthcare of the Russian Federation (SPbMAPS of RAN of Russia).

41 Kirochnaya street
Saint Petersburg 191015

Telephone (fax): (812) 275 18 53

“Approved”

Pro-rector of SPbMAPS for
Publishing Affairs and
Research
Doctor of Medical Sciences
Professor

/signature/ T.N.Trofimova

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REPORT

On holding of medical tests of **Computer-aided complex for assessment of the functional state of a human organism Dynamics** developed and manufactured by OOO “Scientific Research Laboratory Dynamika” (St. Petersburg).

The ground:

Abstract from the minutes of the meeting of the Committee for new medical equipment of the Ministry of Healthcare of the RF (minutes No. 6 dated 16.12.2003). Within the period from 05.05.2004 till 22.06.2004 medical tests of the Computer-aided complex for assessment of the functional state of a human organism - Dynamics were carried out in SPbMAPS on the clinical base of “Admiralteyskiye Verfi” Medical Centre at the Clinical Functional Diagnostics Department.

The following items were provided for the tests:

1. The device in the amount 1 piece. The device was connected to the personal computer, and the software for work with the device was installed.
2. Report No. 7/2004 on carrying out of the technical acceptance tests in ZAO “CIMT” (St. Petersburg) dated March 12, 2004.
3. Abstract from the minutes of the meeting of the Committee for new medical equipment of the Ministry of Healthcare of the RF No. 6 dated 16.12.2003. Clinical tests were carried out in accordance with the program and procedure of medical tests, pursuant to GOST R 15.013-94.

The purpose of the device:

The device is designated for one ECG channel registration, blood pressure

measurement, display and printout of the input signal, heart rate and rated indices of variability of the heart rhythm. Signals are displayed on the monitor in a quality manner and may be preliminary assessed.

The total of 56 patients having various diseases was examined: vegetative-vascular dystonia; arterial hypertension of different intensity; ischemic heart disease; stenocardia of I-III functional classes; gastric and duodenal ulcer; urolithiasis. 9 persons out of examined cohort assessed their health condition as "healthy".

Some patients showing evident decrease of adaptogenic abilities of the organism after pathogenetic and syndrome-based therapy were reexamined within 2 weeks.

During the testing period the device worked reliably without malfunctions.

Simplicity and easiness of training process and of working with the complex may be noted.

Data concerning a patient are stored at the database and may be used, if necessary, for carrying out of repeated or verification examinations, case follow-up with the purpose of assessment of the effectiveness of the therapy in progress.

Conclusion:

Computer-aided complex for assessment of the functional state of a human organism Dynamics, developed and manufactured by OOO "Scientific Research Laboratory Dynamika" (St. Petersburg) may be recommended for batch production and use in medical practice.

Coordinator of clinical research:

Head of the Science Administration of SPbMAPS,

Head of the Clinical Functional Diagnostics Department

Doctor of Medical Sciences, Professor /signature/

/I.A.Gavrisheva/

Executive:

Candidate of Medical Sciences

/signature/

/Yu.V.Sviriyayev/