



# interpretation

For **GDV**  
Software



The system of computer programs GDV Software enables one to carry out the assessment and monitoring of a person's functional state. However, the correct interpretation of data obtained depends on the qualification and experience of the GDV user, on their medical knowledge.

Today GDV-diagnostics process is completed when one gets a printout of a table and a diagram of obtained parameters; as regards their possible interpretation, it's carried out verbally. This factor complicates operator's work and makes examination more time-consuming.



It has become a practice all over the world to develop special computer software – Expert Systems.

They accumulate the experience and knowledge of highly-qualified specialists, making it possible for all the other users to apply them. Operation of such a program is based on the stock of knowledge placed into it a multitude of diagnostic rules, formulated by an expert.



Expert system “**INTERPRETATION for GDV Software**” was created in cooperation with experienced doctors of leading top-level medical institutions of Saint-Petersburg.

In order to create diagnostic rules a data-base was used, that had been collected while examining a few hundred patients.

Formulating the rules was carried out by specialists with ten-years' experience of practical use of GDV devices.



## Expert System “**INTERPRETATION for GDV Software**” makes it possible:

- to simplify and quicken the process of interpreting GDV-data as well as the whole examination;
- to automatically generate textual medical decisions based on the results of GDV examination;
- to add pictures, comments, diagnoses and patient's complaints;
- to print textual reports based on the results of the examination;
- to save and scan the whole history of the patient's examinations in the program.

