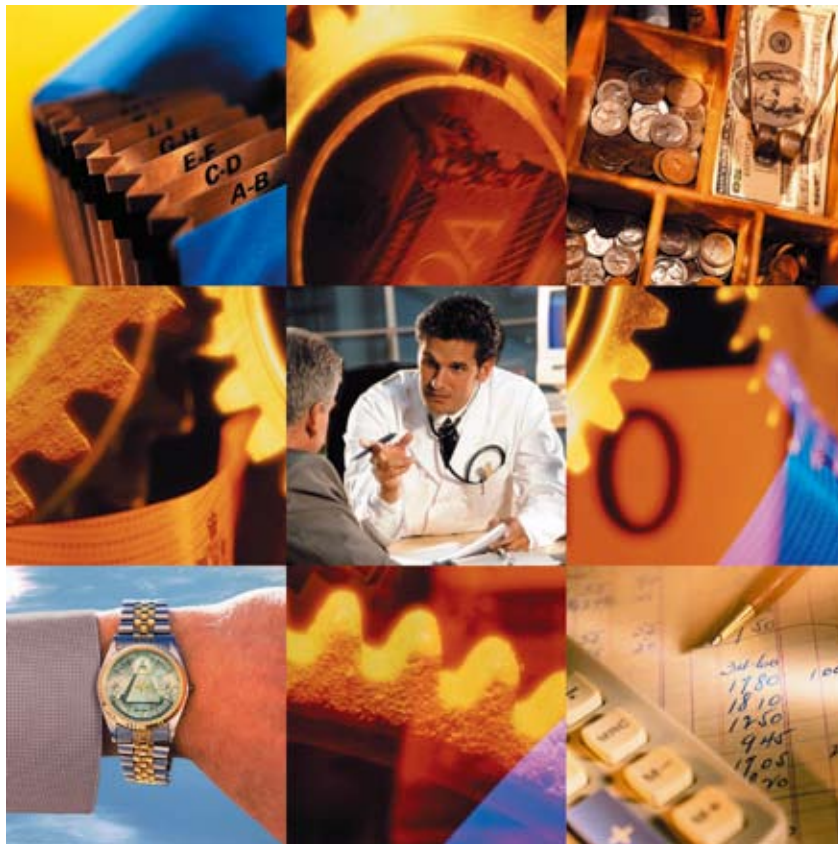


# RehaBase

AUTOMATED SYSTEM  
FOR MEDICAL REHABILITATION INSTITUTIONS



for leader and personnel



# Total Functionality of RehaBase

## Medical Process Organization

RehaBase organizes and optimizes a rehabilitation activity – it is convenient in work for the personnel and supports the all-round control and analysis for the chief:

**File of Patients** – handy compact electronic cards containing all standard data of patients.

**Patient's Accommodation** – pictorial module for an accommodation of patient in a hospital.

**Scheduling and Recording for Reception** – flexible tool for planning doctors' work and making an appointment of patient to them.

**Electronic Case History** – powerful container of all necessary items (medical supervisions, laboratory researches, photos and x-ray pictures, etc.).

**Built-in Quick References** – particularized built-in adjustable medical, economic and other quick references, accelerating the filling of case history.

**Registration of Materials** – full inspection of medicament reserves of institution and automated amortization of materials during rendered services.

**Accounts with Clients** – quick viewing the patient's and organization's balances, the work with insurance companies, discounts, etc.

**Reports** – all stages of clinic work in various reports and medical statistic forms.

**Access Categories for Users** – several levels of safety, access to the information and functions.

## Health-care Knowledge Support

Important part of RehaBase – support of specialized sections for different medical specialists. For the rehabilitation services, it allows to examine functional status of a patient, to choose restorative actions, including diet-therapy, and to estimate an efficiency of services rendered to the patient:

**RHYTHM Testing** – measurement and calculation of cardio-rhythm characteristics.

**EFFECT Testing** – psychological, psychomotor and functional tests, an input of anthropometric data and cardio-rhythm characteristics, and also specialized examination methods for diseases.

**Analysis of Functional Status** – integral estimation of functional status of the patient, including his biological age.

**Choice of Methods of Restorative Medicine** – a choice of the rehabilitative actions according to patient's status.

**Plans of Treatment** – a creation of cure plans on the basis of previously entered templates.

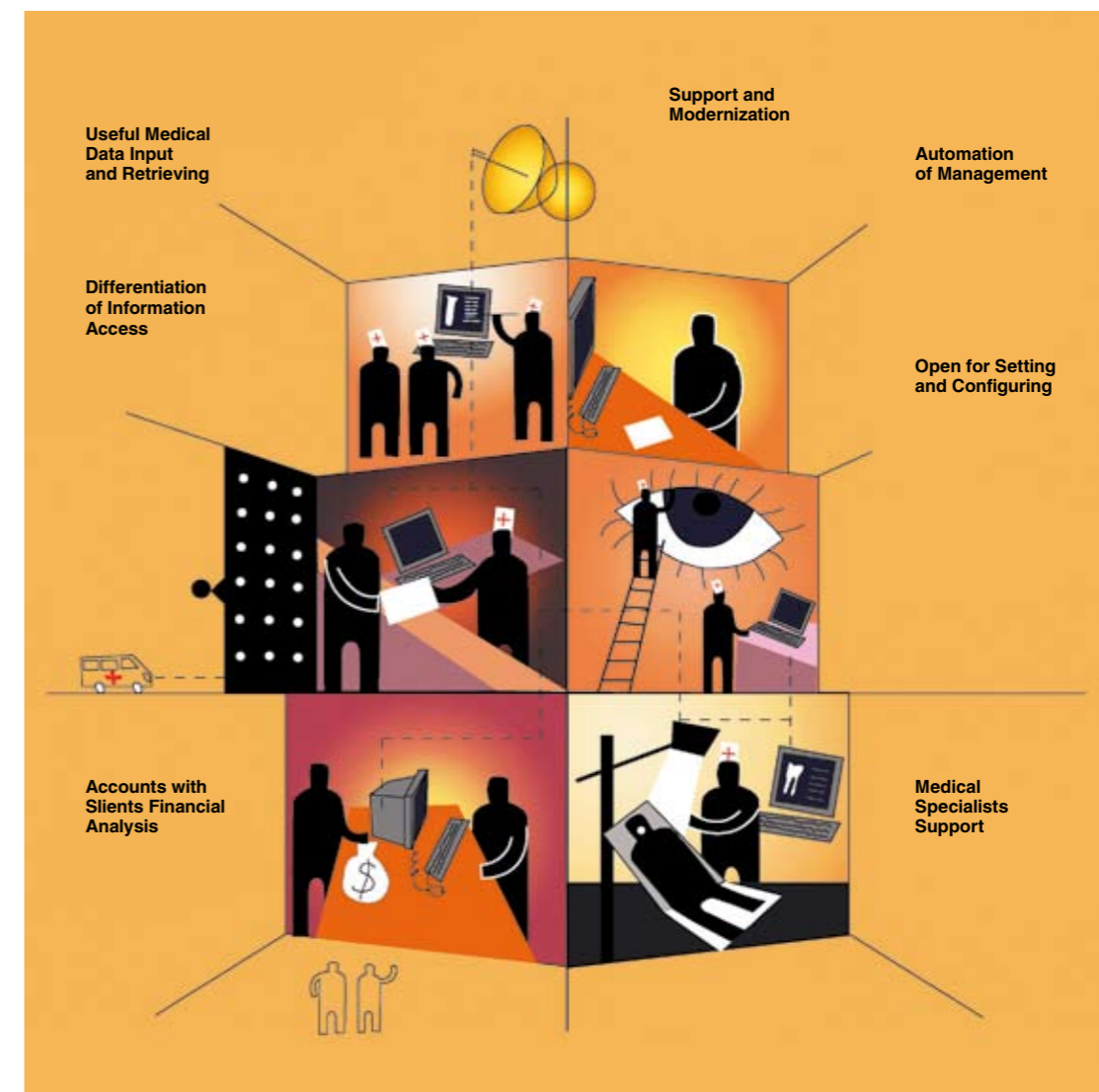
**Estimation of Restorative Actions' Efficiency** – an estimation of an efficiency of rehabilitative measures.

**Additional Specialized Sections** – particularized sections for various medical specialties.

**DIET (Testing and Planning)** – integrated estimation of patient's nutritional status, an evaluation and optimization of food.

**Scientific Support** – scientific and methodological support of the Russian Scientific Centre of Rehabilitation Medicine and Balneology and Association of Rehabilitation Medicine.

## Total Set of Medical Records and Management Functions



## Medicine of Healthies

# Useful, Quick and Complete

## File of Patient

Simple and convenient in work, the electronic card file contains all standard data of patients. They can be quickly filled, sorted or searched by any of their fields.

**Sections of patient data**

**Quick access to patient data**

**Electronic case history**

**Client account**

№	Фамилия	Имя	Отчество	Дата рождения	Пол	Домашний адрес	Почтовый адрес
1	Иванов	Иван	Олегович	12/18/76	Муж	г. Москва, ул. Пушкина, д. 10	г. Москва, ул. Пушкина, д. 10
2	Петров	Петр	Сергеевич	01/12/78	Муж	г. Санкт-Петербург, пр. Невский, д. 25	г. Санкт-Петербург, пр. Невский, д. 25
3	Сидорова	Мария	Ивановна	03/05/79	Женщина	г. Екатеринбург, ул. Ленина, д. 45	г. Екатеринбург, ул. Ленина, д. 45
4	Климов	Александр	Владимирович	12/05/79	Муж	г. Москва, ул. Мясницкая, д. 15	г. Москва, ул. Мясницкая, д. 15

## Scheduling and Recording on Reception

Powerful and flexible module of planning doctors' work and making an appointment of patient to them allow to organize better working hours of medical experts and to avoid overlays at an ordering coupons on visiting.

**List of staff**

**"Ruler" scheduling data and time staff**

**Different types of schedule view**

## Patient Accommodation

An accommodation of patient in a hospital is made with use of the pictorial section of the number fund account.

**Data of patient direction**

**Rooms of institution**

**Calendar**

Дата заезда	Дата выезда	Номер палаты	Всего дней
15/08/05	20/08/05	201	5
04/08/05	15/08/05	811	11

## Electronic Case History

Electronic case history as a new standard of XXI century is based on a standard paper case history of the patient and contains all necessary items (photos and x-ray pictures, laboratory researches, etc.); it cannot be lost or forgotten somewhere, and its information can be used by several experts at once.

**Different specialists data**

**Print output**

**Common records**

**Doctors diary**

# Innovations and High Technology



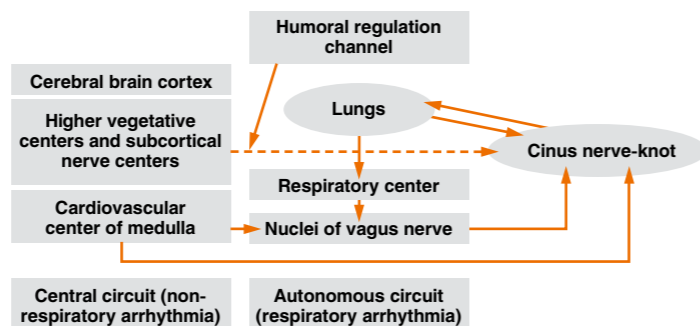
Cardio spectrum



## RHYTHM Testing

RHYTHM testing intends for estimation of organism and functional systems state and consists in a re-gistration of data and calculation of cardio rhythm characteristics and of the vegetative regulation indices of a according to the European-American and Russian methodical guidelines. There are 3 types of cardio-rhythm analyses: statistic, hystogramic, spectrum.

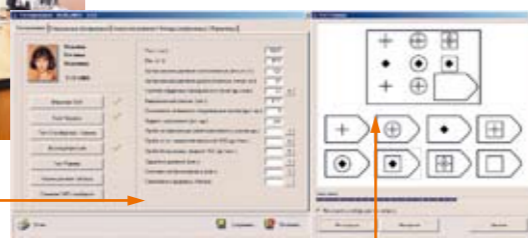
Scheme of Double-Circuit Model of Heart Rhythm Regulation



Main testing window

## EFFECT Testing

EFFECT testing includes psychological, psychomotor and functional tests, an input of anthropometric data and cardio rhythm characteristics. Besides the general examination, the specialized examination methods are provided for ischemic heart disease, idiopathic hypertension and many other diseases.



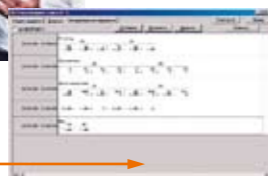
Psychological test



Nutritional status analysis

## DIET – Nutritional Status and Diet Planning

DIET module gives integrated estimation of nutritional status of patient, the planning and optimization of food and dietary cookery.

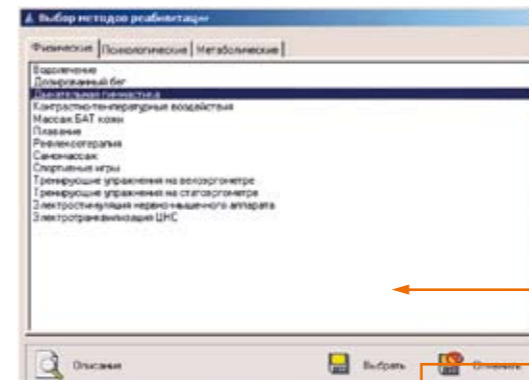


Показатель	Значение	Единица	Группировка
Рост	165 см	см	
Вес	67 кг	кг	
Площадь поверхности тела (показ. Базе)	1,75 м <sup>2</sup>	м <sup>2</sup>	
Частота сердечных сокращений	72 уд/мин	уд/мин	Нормальная
Артериальное давление	110/70 мм рт.ст.	мм рт.ст.	Нормальная
АД систолическое	110 мм рт.ст.	мм рт.ст.	Нормальная
АД диастолическое	70 мм рт.ст.	мм рт.ст.	Нормальная
Пульсовое давление	40 мм рт.ст.	мм рт.ст.	Нормальная
Среднесуточные артериальное давление	85 мм рт.ст.	мм рт.ст.	Нормальная
Площадь миокарда (показ. Базе)	120 см <sup>2</sup>	см <sup>2</sup>	Нормальная
Масса миокарда	120 г	г	Нормальная
Среднесуточные артериальное давление	85 мм рт.ст.	мм рт.ст.	Нормальная
Среднесуточные артериальное давление	85 мм рт.ст.	мм рт.ст.	Нормальная
Среднесуточные артериальное давление	85 мм рт.ст.	мм рт.ст.	Нормальная
Среднесуточные артериальное давление	85 мм рт.ст.	мм рт.ст.	Нормальная
Среднесуточные артериальное давление	85 мм рт.ст.	мм рт.ст.	Нормальная
Среднесуточные артериальное давление	85 мм рт.ст.	мм рт.ст.	Нормальная
Среднесуточные артериальное давление	85 мм рт.ст.	мм рт.ст.	Нормальная
Среднесуточные артериальное давление	85 мм рт.ст.	мм рт.ст.	Нормальная
Среднесуточные артериальное давление	85 мм рт.ст.	мм рт.ст.	Нормальная

## Analysis of Functional State

These examinations give the integrated estimation of the functional patient's state, including his biological age, and its pictorial presentation.

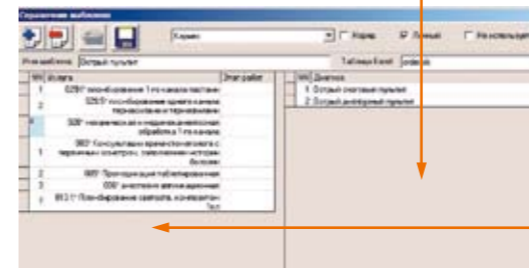
Normalized values and integral indices



## Choice of Restorative Medicine Methods

The performed observations allow making a choice of restorative medicine methods for the further health services.

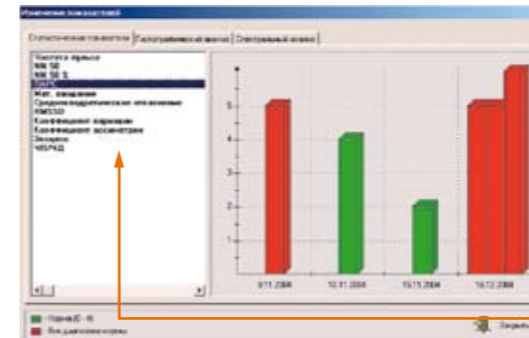
Restorative medicine methods list



## Plans of Treatment

For the simplification of medical treatment plans entering, RehaBase stipulates a possibility of treatment plans creation on the basis of previously entered templates of such schedules.

List of operations



## Estimation of Restorative Actions' Efficiency

After execution of the certain cycle of restorative actions or upon their termination, it is possible to perform an estimation of their efficiency, having selected for comparison the last and previous results of observations.

Informatic indices

# All-round Control and Analysis

## Registration of Materials

Warehouse module and automated writing-off materials during rendered services by a binding the materials to services allow to inspect easily medicament reserves of institution, to prognosticate forthcoming expenditures on doctor's rooms and to plan purchases of the equipment and materials.



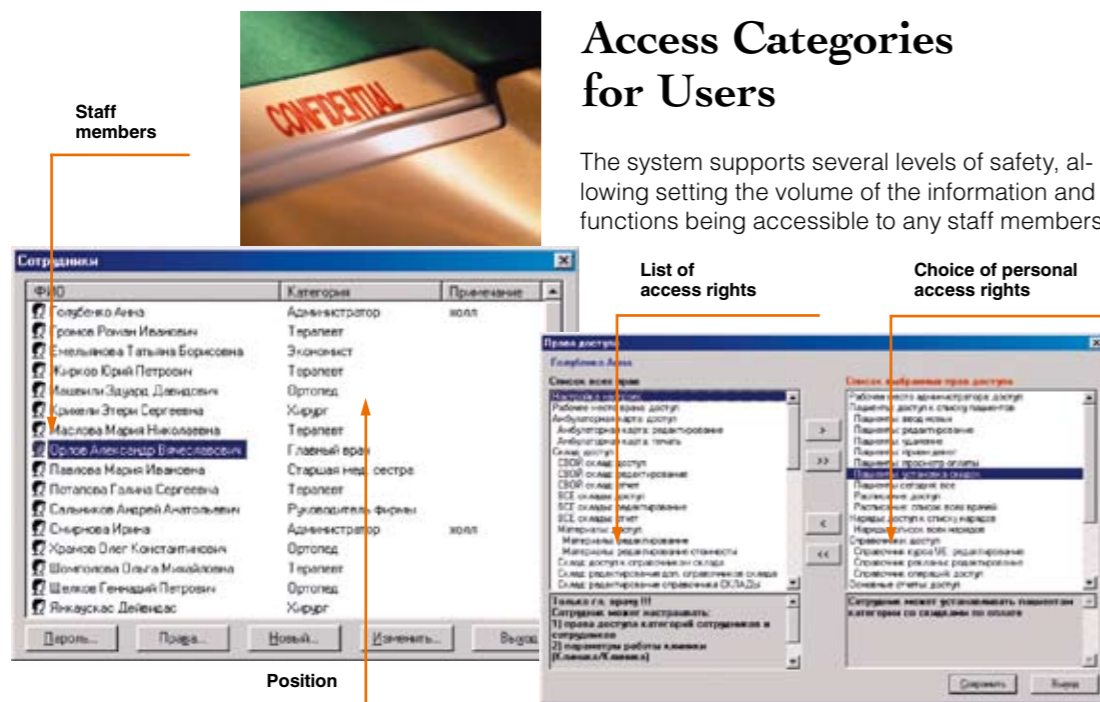
**List of materials**

**Warehouse book**

The screenshot shows a software interface for material registration. On the left, there is a tree view labeled 'List of materials' showing a hierarchy of categories like 'Лекарства (в/в)', 'Лекарства (в/т)', etc. The main area displays a 'Warehouse book' table with columns for date, quantity, and price. A 'CONFIDENTIAL' stamp is visible on the interface.

## Access Categories for Users

The system supports several levels of safety, allowing setting the volume of the information and functions being accessible to any staff members.



**Staff members**

**Position**

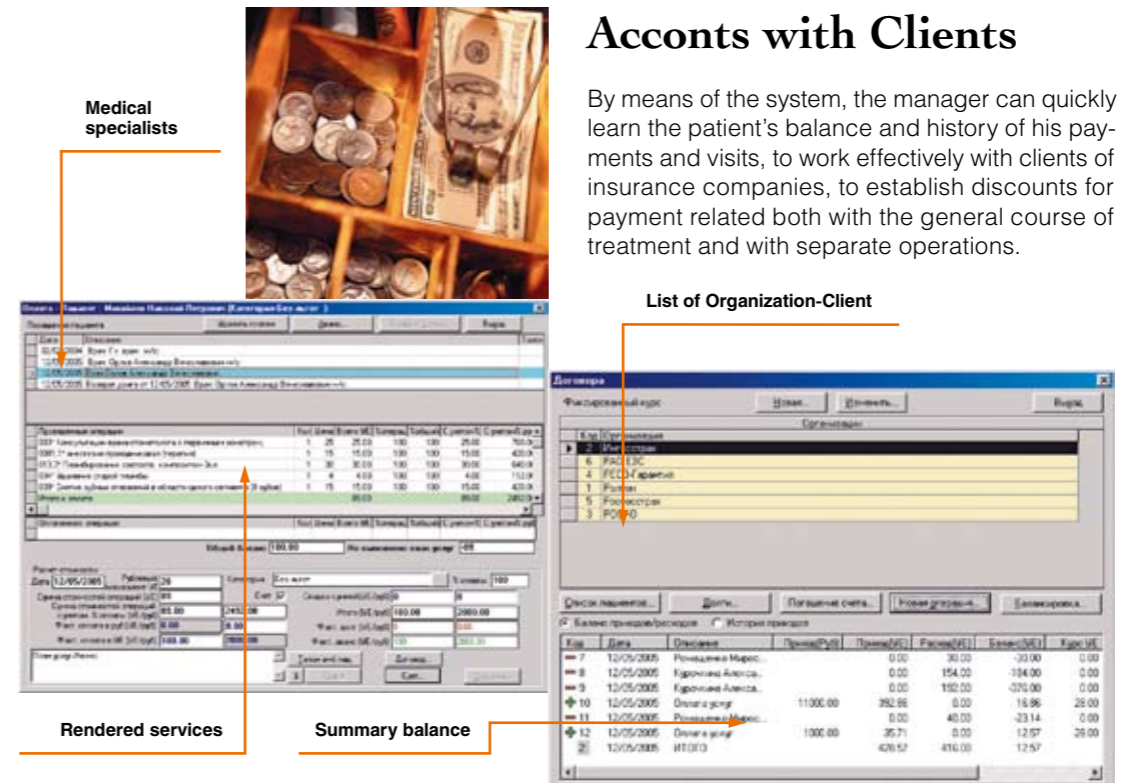
**List of access rights**

**Choice of personal access rights**

The screenshot shows a user management interface. On the left, a list of staff members is shown with columns for 'ФИО', 'Категория', and 'Привилегии'. The 'Position' column lists roles like 'Администратор', 'Терапевт', 'Экономист', etc. The main area shows a 'List of access rights' and a 'Choice of personal access rights' dialog box where specific permissions can be assigned to a user.

## Accounts with Clients

By means of the system, the manager can quickly learn the patient's balance and history of his payments and visits, to work effectively with clients of insurance companies, to establish discounts for payment related both with the general course of treatment and with separate operations.



**Medical specialists**

**List of Organization-Client**

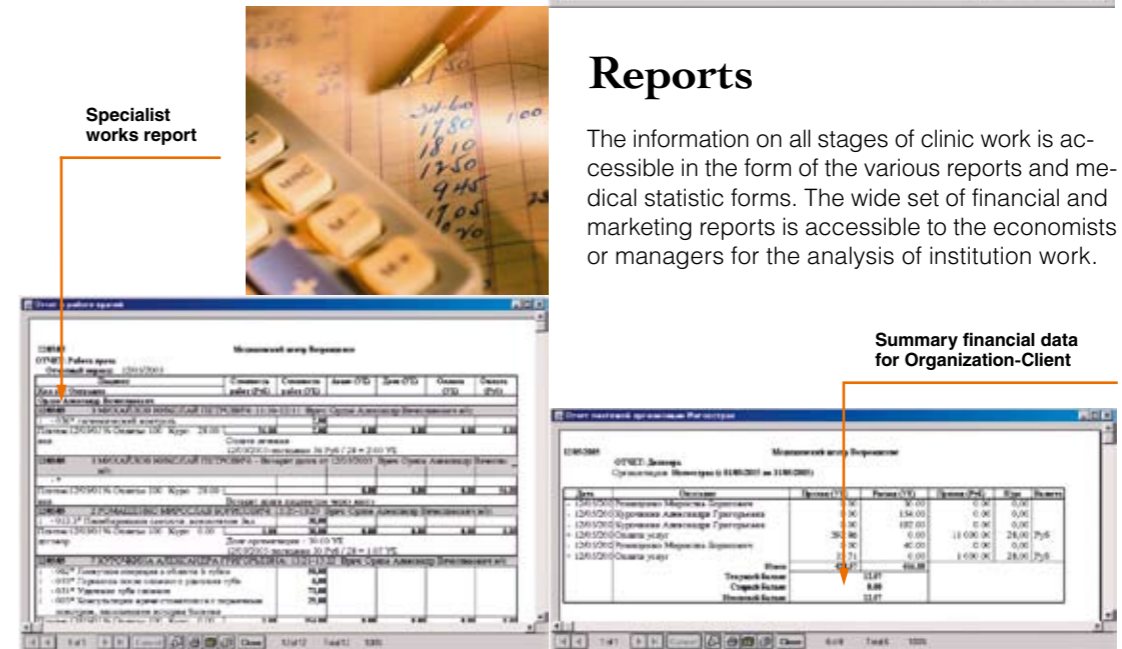
**Rendered services**

**Summary balance**

The screenshot displays a financial management interface. It includes a 'List of Organization-Client' table with columns for 'Дата', 'Описание', 'Привлечено', 'Платено', 'Сумма', and 'Баланс'. Below it, a 'Summary balance' table shows a detailed breakdown of payments and balances for a specific client. A 'Medical specialists' image shows a tray of coins and a banknote.

## Reports

The information on all stages of clinic work is accessible in the form of the various reports and medical statistic forms. The wide set of financial and marketing reports is accessible to the economists or managers for the analysis of institution work.



**Specialist works report**

**Summary financial data for Organization-Client**

The screenshot shows a 'Specialist works report' table with columns for 'Дата', 'Время приема', 'Длительность приема', 'Диагноз', and 'Лечение'. Below it, a 'Summary financial data for Organization-Client' table provides a detailed financial overview for a specific organization, including columns for 'Дата', 'Описание', 'Привлечено', 'Платено', 'Сумма', and 'Баланс'.

# Specialist Support

**Additional Specialized Sections**

Profile sections relate to various medical specialties – dental care, cosmetology, ophthalmology, laboratory research data and many others:

- BeautyBase™ – cosmetology
- CardioBase™ – cardiology
- DentalBase® – stomatology
- UroBase™ – uro-andrology & gynecology
- etc.

**Ophthalmology research input form**

**Dental Examinations**

**Built-in Quick References**

The system includes specialized built-in editable medical, economic and other quick references, and all records in system are entered by means of these quick references and program assistants-masters, accelerating the filling of case history.

**Medical procedures reference work**

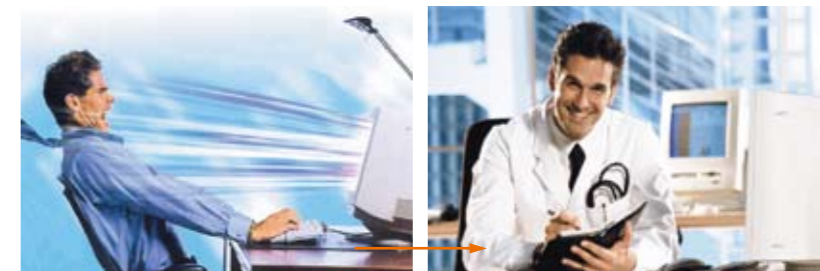
**International classification of diseases**

# Usage Experience

## Results

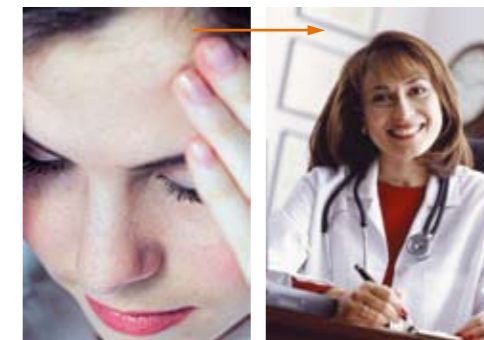
### For Leader

- Efficiency of management
- Profitability



### For Personnel

- Convenience of work
- Informational support of doctors-experts



## Application

- Spa Centers
- Sanatoriums
- Medical Clinics
- Special Centers:

- Sport, Extreme,
- Military, Aviation
- Space, etc.



# Efficiency Quality



## ASE Group / Advanced System Engineering

### Wide Experience

- On Russian and CIS market since 1996
- More than 300 state and private clinics

### Efficiency of Implementation

- Simplicity of use
- Medical staff training

### Technical Support

- Support and modernization
- Technical support service
- Free e-mail and "hot-line" consulting

### International Quality

- Quality Management System ISO 9001:2000
- Russian GOST R certificate
- Certificate of IQNet



# Scientific Support



Russian Scientific Center of Rehabilitation Medicine  
and Balneology



ASVOMED  
Spa Medicine Specialists Association



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