YSAR+

MEDICAL DIRECTION – INNOVATIVE TECHNOLOGIES AND SOLUTIONS

YSAR+

ABOUT US

«YSAR+» joint-stock company - the leading Russian developer and the integrator of information systems in health care.
We work at the IT market for 20 years, since 1996.
We are trusted by customers of many regions of Russia and abroad.

The «YSAR+» company has the well developed team of highly skilled professionals who successfully are engaged in implementation of government and commercial contracts for the developing of complex systems on federal level.
In the company works more than 100 people. Some of them best medics scientists, candidates and doctors of science of the Russian Federation.

Priority of «YSAR+» arears activity are development, implementation and field service of the latest information systems in health sector.

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SYSTEM INTEGRATION

Our team in medicine provides:

- engineering infrastructure design;
- supply, installation and commissioning of engineering networks;
- installation general and application software, computer and peripheral equipment;
- information and technical service;
- repair and maintenance of systems.

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JOINT DECISION

At the moment, we have fulfils the state order for the construction and equipment of high-tech medical centers across the territory of the Russian Federation.

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RESULTS OF INTRODUCTION

«... It was made a serious large-scale work, which provided medical personnel centers with modern tools to assure a quality medical care...».

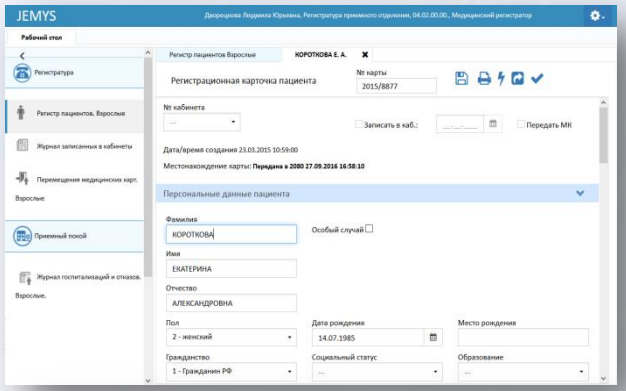
Professor **M.I. DAVYDOV**, DM
Director of N.N. Blokhin Russian Cancer Research Center
of the Ministry of Health of the Russian Federation
Chief Oncologist of the Ministry of Health of the Russian Federation
Member of the Russian Academy of Sciences

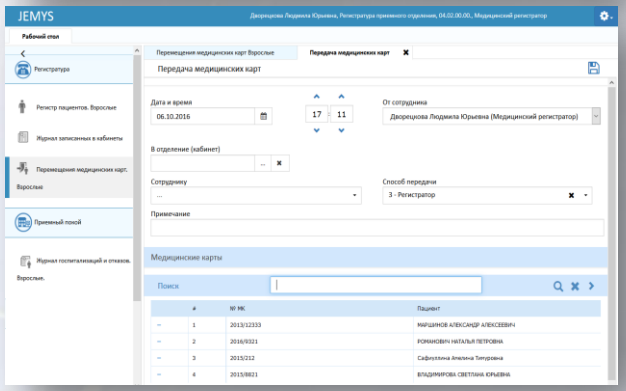
«... There were established technological platforms to ensure optimal use of resources of medical equipment, installed software and hardware, as well as the implementation of scientific and practical potential of medical center staff ...».

GÜNTER LIEPELT
Geschäftsführer / Managing Director
AJZ Engineering GmbH

BASIC TECHNOLOGIES MEDICAL INFORMATION SYSTEMS:

- JAVA platform;
- Work-flow;
- «Thin» client;
- Integration bus;
- Reporting system;
- Image processing module.





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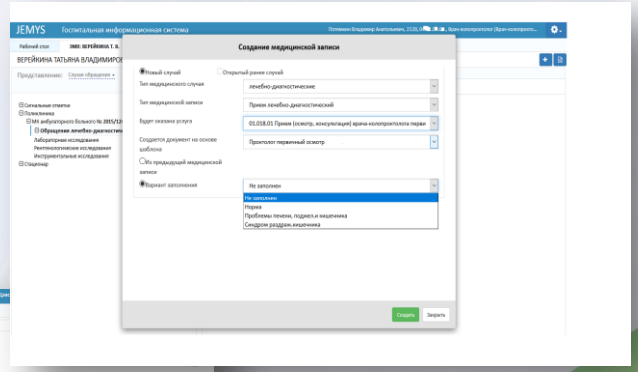
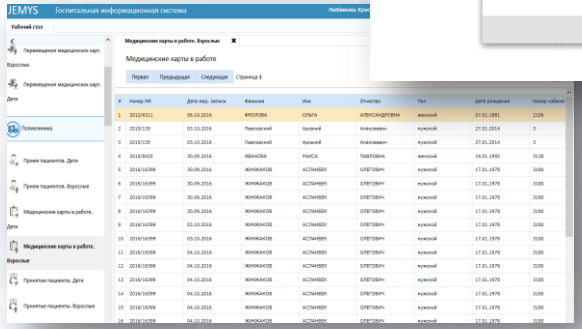
ADVANTAGES

- Integrated automation of all departments of a medical institution;
- Deep subject study;
- Service - oriented architecture, based on - a classic work-flow;
- Integration with existing modules from other manufacturers;
- Support of international data exchange standards;
- Fast adaptation of the system to linguistic features;
- The use of industrial DBMS.





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WORK-FLOW

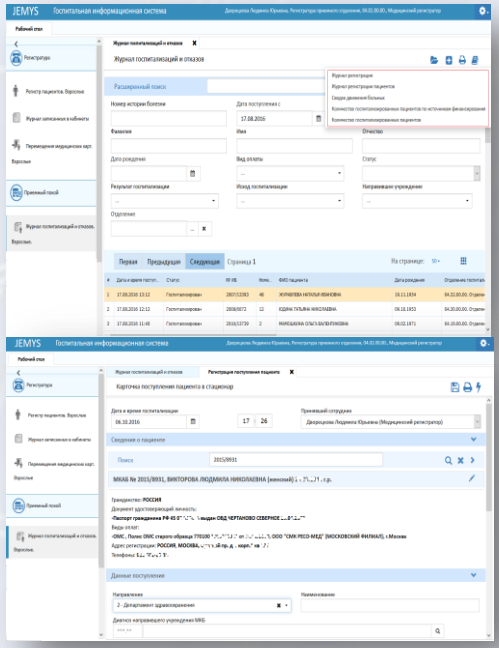
WORK-FLOW INSURE:

- Graphical representation of process chains medical institution and its units;
- Creation and maintenance of sample scripts and procedures performed by medical staff;
- Single repository of all information and documents;
- Unified messaging engine and notification between users at each site work cycle;
- Create and manage reports on the activities of the medical institution.

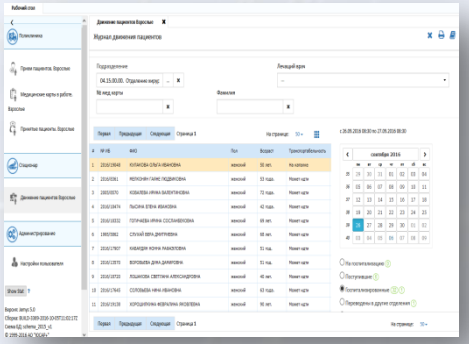
WORK-FLOW

WORK-FLOW ADVANTAGES:

- Enhanced control over the performance of tasks;
- Reduced costs and timing of production cycles;
- Automated a lot of manual operations;
- Dramatically increases the quality of processes;
- Significantly reduced errors, cause the human factor;
- Employee productivity increase on 25-30%.



WORK-FLOW



WORK-FLOW ADVANTAGES:

- Improves customer service, increases its efficiency. Increased levels of patient satisfaction;
- Increases the level of privacy and control access to data;
- Ansures a high degree of flexibility, speed and comfort in work;
- Optimizes an organizational structure of the medical institution to identify «bottlenecks», hidden resources and reserves.

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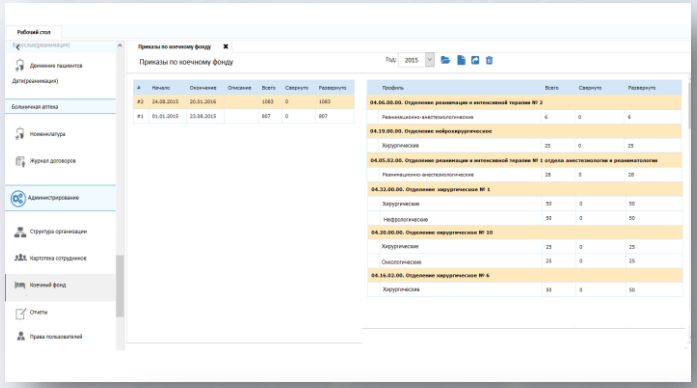
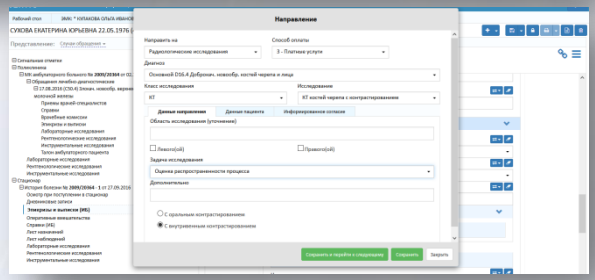
INNOVATION TECHNOLOGIES

Automatic identification in medicine means an effective technology that allows to save lives.





IT PROVIDES:

- patient record;
- search for information about a patient;
- download patient data on a doctor computer screen;
- rapidly replenish medical record with inspection results;
- ability to put diagnosis of test results automatically in the medical history.

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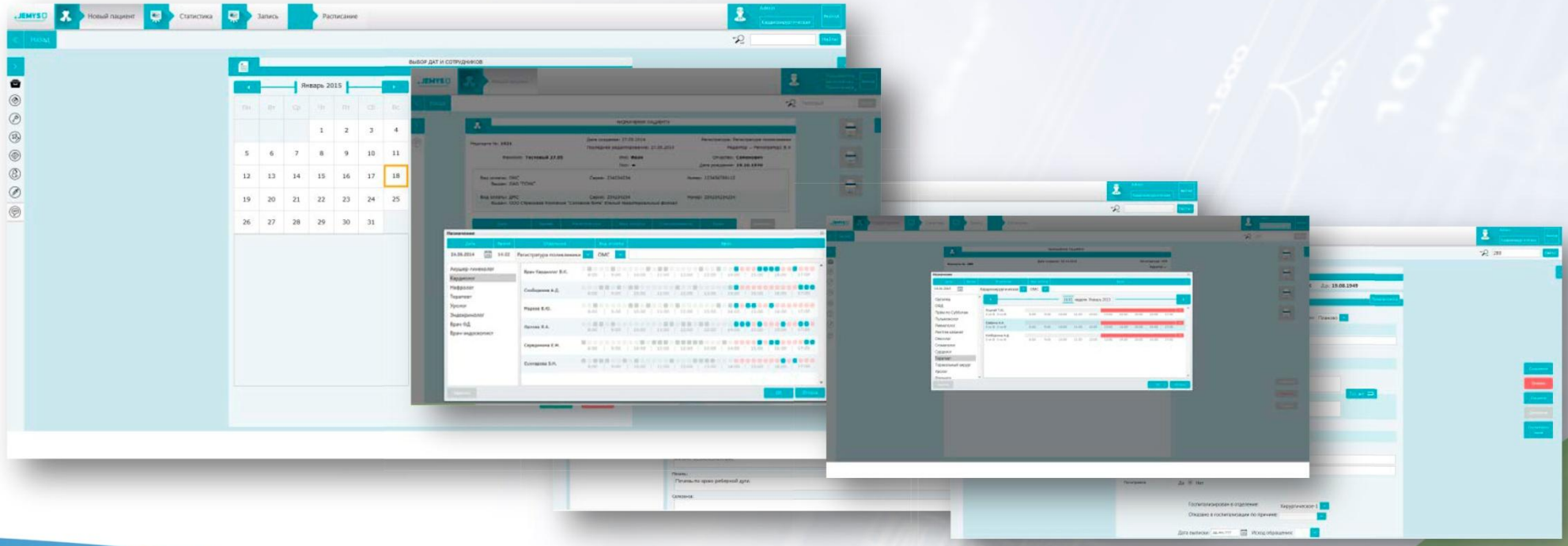
MEDICAL INFORMATION SYSTEM

Medical information system - set of integrated modules that operate in a single information space. Automates work areas of doctors, medical personnel and units of economic support.



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RADIOLOGY INFORMATION SYSTEM

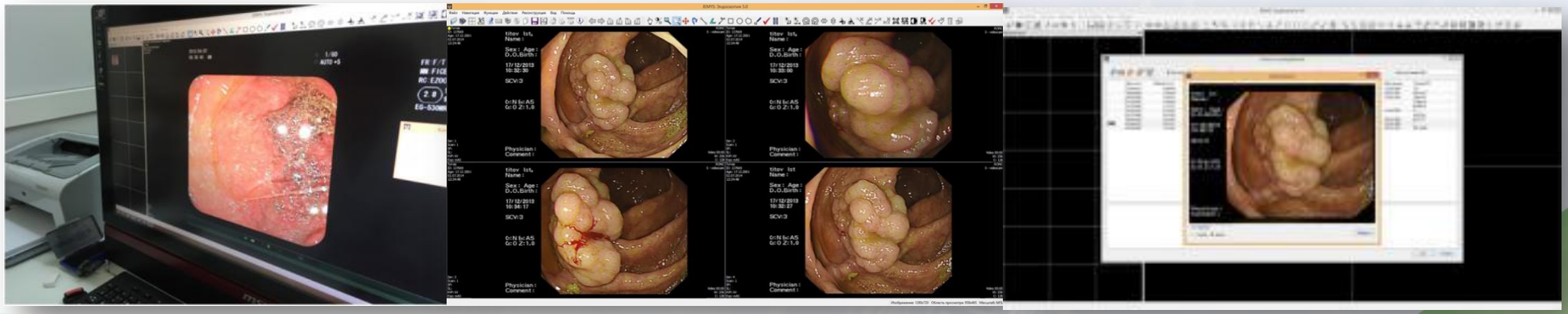
Designed for submission, processing and analysis of visual information produced in various imaging systems, as well as to exchange information via DICOM with other workstations or servers.

Supported by a three-dimensional film-loop (4D), mode of virtual flight through the vessels and colonoscopy, parallel and perspective viewing modes.

ENDOSCOPY

The Endoscopy Software Complex is intended for display, processing and analysis of multimedia data obtained from analog and digital endoscopy equipment during performance of endoscopy examinations, as well as for data exchange (through DICOM protocol) with other workstations or servers forming part of medical institution's system.

Digitalization of medical equipment video signal with the help of Endoscopy system is done for the following types of endoscopy examinations: esophagogastroscopy, bronchoscopy, colonoscopy, laryngoscopy, rectoscopy, cystoscopy, colposcopy (colposcope with camera), laparoscopy



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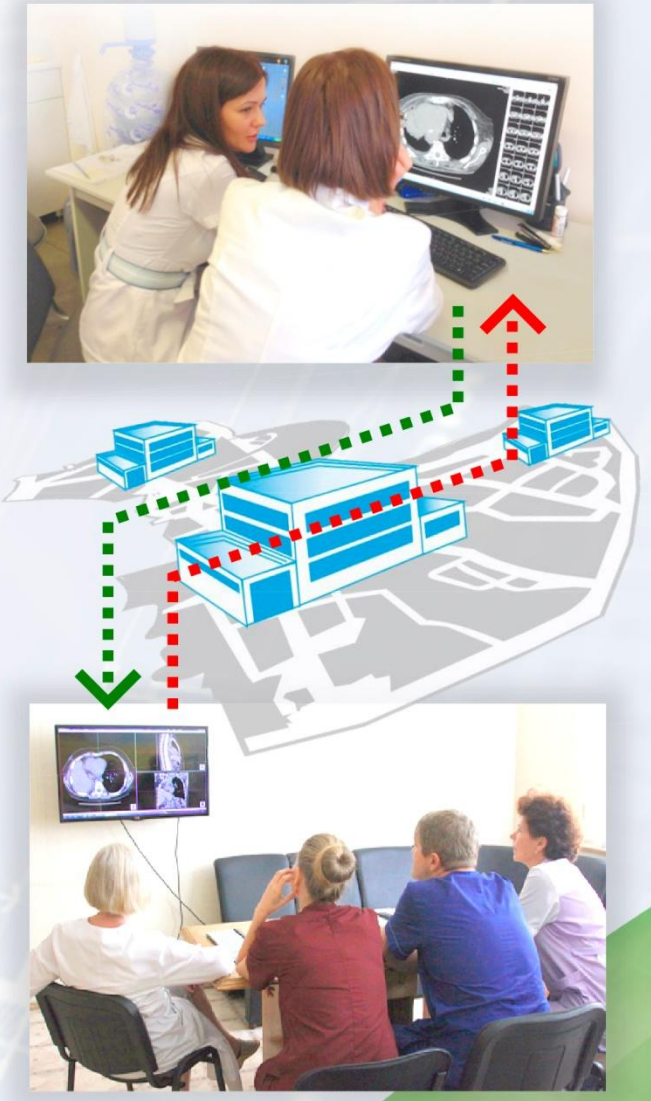
TELEMEDICINE

PROVIDES THE FOLLOWING KEY FEATURES:

- Send and receive images via DICOM, transmitted by any diagnostic equipment;
- Reception and transmission of digitized data in various graphical formats;
- Reception and transmission of data from laboratory analyzers;
- Supports IP gateway for online remote stations connections;
- Registers the requests for consultation, as well as maintaining a database consulting services;
- Liaising with the hospital information system to obtain data from medical history;
- Provides logging of data rendered advice.



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SCREENING

System description, recommendations and statistics

PROBLEM BASIC

In June 2003 the European Parliament passed a Resolution on Breast Cancer. This document is the important certificate of priority and at the same time relible instrument for eliminating potential permissions of a problem of breast cancer in the European countries.

PRODUCTION

The system of descriptions, recommendation and statistics of mammography screening is developed by the YSAR+ company together with the leading experts of the Russian N. N. Blochin oncological scientific center of Ministry of Health Russian Federation and has successfully passed all clinical tests.

PLATFORM

Provides the following key features:

- Send and receive images via DICOM, transmitted by any diagnostic equipment;
- Reception and transmission of digitized data in various graphical formats;
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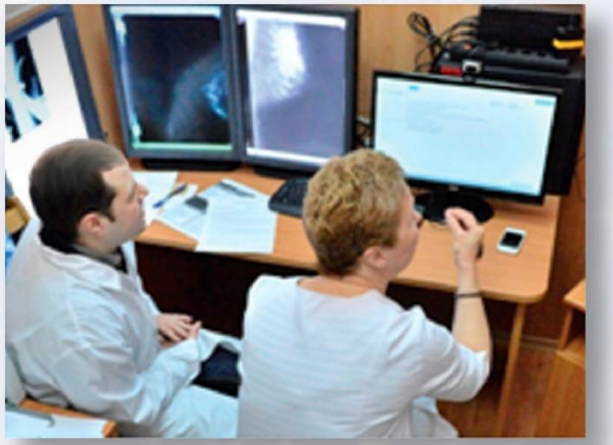

- standardization
- scientific analysis
- self-education

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SCREENING

System description, recommendations and statistics

QUALITY CONTROL

The protocol is presented as a set of tabs of the formalized data entry fields:

- Examination (mammogram) quality
- General examination information
- General mammogram signs and symptoms
- Mass
- Density
- Calcification
- Architectural distortion
- Asymmetry
- Lymph nodes
- Examination comparison
- Examination conclusion

Early detection in order to improve breast cancer treatment and survival remains the cornerstone of breast cancer control

- PERSONNEL TRAINING
- CREATION OF THE CANCER REGISTRY IN THE REPUBLIC OF CYPRUS
- THE QUALITY MONITORING SYSTEM IN ONCOLOGY

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MOBILE DIAGNOSTIC SYSTEMS

Provision of high-tech medical diagnostic services in remote and sparsely populated areas.

Rapid advance of operationalteams at the scene of emergencies for a mass diagnosis of population.

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Thank you for your attention!