

MEDICAL INFORMATION SYSTEM DOCTOR ELEKS



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ELEKS Software

Need to consult with a colleague in another city as though he is just by you? – No problem!
 Looking for the lost case history for half an hour? What for?
 Who is at the reception tomorrow? – Just one touch...

Doctor Eleks – a unique system for all types of medical organizations!

Experts' Opinions



"We collaborate with Eleks Software Company since 1995 and had enough time to make sure that Eleks is the reliable partner. The applications we use in our clinic help the physicians and the patients all the time. I am looking forward to the effective cooperation, because we always need new solutions and Eleks is one of the best companies able to implement them".

Volodymyr Koziavkin
Director General of the International Rehabilitation Clinic Elita (Truskavets)
Hero of Ukraine. Professor, Doctor of Medicine



"Medical information system developed by Eleks Company has accelerated the medical staff's work in our clinic and has brought our services to a higher level of quality. So we expect to work with Eleks Company in future".

Olena Moroz
Director of the Medical Center Intersono (Lviv)



"Doctor Eleks is not the first information system used in our hospital. But after evaluating Doctor Eleks we decided to install this very system in all the in-patient departments, because Doctor Eleks covers all the key areas of the hospital's work like reception, physician's workplace, laboratory, diagnostics, medical reporting and hospital management.

This solution uses centralized data storage, and this feature saves much of working time for our staff. And since most of the documents are stored in electronic form, there's no need to keep their paper copies. Taking into consideration the size of the hospital this is a very essential point".

Igor Semeniv
CEO of the Ivano-Frankivsk Regional Hospital

Doctor Eleks – Physician's Workplace

- All patient data is stored in his/her Electronic Medical Record. It provides quick search and retrieval of the patient's information;
- Fast and easy data input using unique Document Template Editor;
- Keeping to the recommended sequence of the physician examination;
- Decrease the risk of medical errors in documentation;
- Quick lab data input using Laboratory workflow;
- Highlighting data visually in case of abnormality;
- Interoperation with medical devices: video and images acquisition;
- Editing and saving video and images.



With Doctor Eleks physicians do not have to waste their time looking for documents and for data input and can focus on their patients.

Doctor Eleks – Receptionist's Workplace

- Centralized data storage;
- Quick response to patients' phone calls;
- No need to maintain office visit log in paper form;
- Fast and handy system of office visits registration;
- Adjustable schedule views;
- Quick review of the patient's office visits log;
- Supervision of the patients' care;
- Personnel leaves' registration (vacations, illnesses, holidays, etc.);
- Handy schedule management system;
- Alerting a physician about the patient's visit straight out of the reception.



Harmonious cooperation of the reception and physicians brings comfort for the patients and saves the physicians' time.

Fast and easy combination of the physicians and patients schedules. No papers needed at the reception, so the receptionist does not have to waste time looking for paper documents.

Doctor Eleks – Director's Workplace

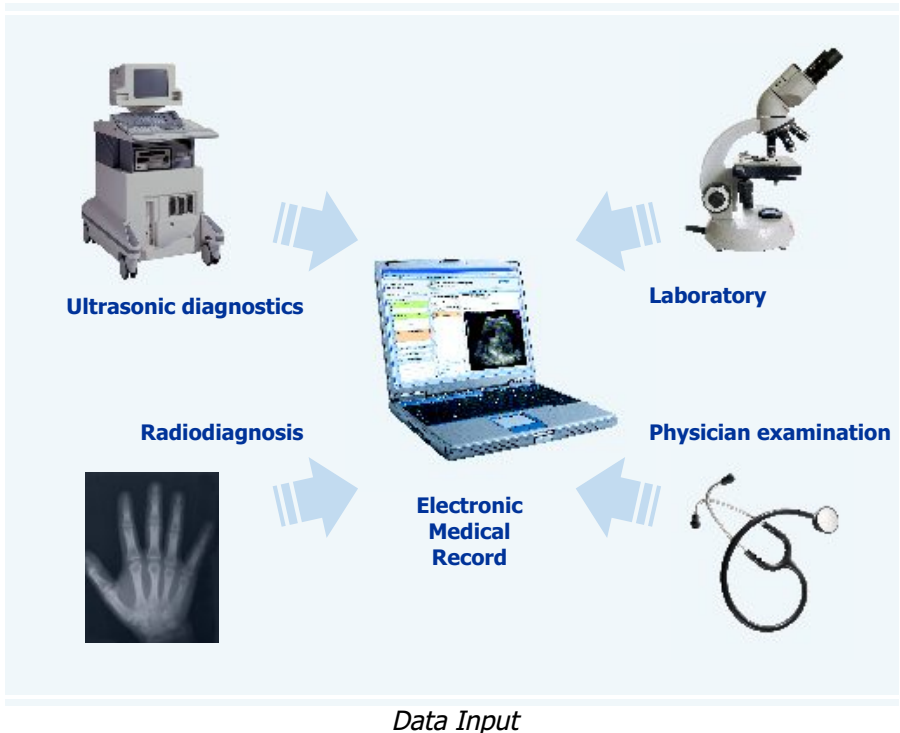
- Quick receiving of the information;
- Clinic's activity analysis and statistical reports' preparation;
- Supervision of the accuracy and completeness of the physical examination data input;
- No need to store and maintain the paper documents;
- The staff workload and provided services' monitoring ;
- Access control.



Director can easily supervise the status of current activities in the clinic and make strategic decisions in time.

Doctor Eleks – Primary Subsystems

- Electronic Medical Record
- Document Template Editor
- Scheduling
- Clinic Activity Analysis
- Medical Devices
- Images and Video
- Security
- Journals
- Director



Doctor Eleks – Electronic Medical Record

All patient data is stored in the Electronic Medical Record. Patient details, examination results, anthropomorphic measurements, laboratory examinations and various medical imaging (US, X-ray devices, etc) are kept here.

The screenshot shows a software window titled "Patient Information" with several tabs: Information, Gastroenterology, Patient info, Invasive procedure, US picture, and Ultrasound Examination. The "Patient" section contains the following data:

- Patient: Mary Black
- Address: 3112 Grier Nursery Rd, Forest Hill, MD
- Phone: 80503249630
- E-mail: sales@eleks.com
- DOB: 12/04/1969
- SoundID: 3240FD-23498

Below the patient information is a tree view of documents:

- [05/02/2007 - 05/02/2007] Robert Smith
 - [05/02/2007] - US video - Terry Potter
 - [05/02/2007] - Invasive procedure - Robert Smith
- [05/02/2007] Mykile Anderson
 - [05/02/2007] - Personal info - Mykile Anderson
 - [05/02/2007] - Gastroenterology - Mykile Anderson

The main content area displays the "Gastroenterology" report for the selected document:

- Gastroenterology**
- Date: 15/02/2006 00:00
- Chief Complaints: No;
- Physical Examination (detailed)**
- Appears healthy;
- Temperature (when taken) normal; 36.6;
- Const normosthenic [athletic] type;
- Nutrition rational(normal);
- obesity 39 -degree;
- Scleras and mucouses: normal colored;
- Skin supple;
- rash: dwscription
- depigmentation: face; back; right hand;
- color: normal;
- elasticity: good;
- Mouth**
- halitosis: absent;
- teeth: not changed; a fair amount is absent;
- lips: normal color; moist;
- gums: normal colored;

All coincidences of names on pictures with real ones are occasional

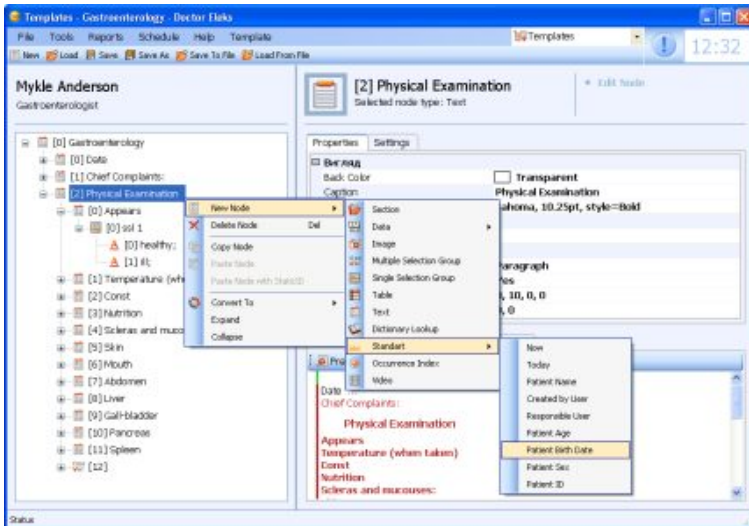
To insert the patient's examination data you do not need to type the text in. All the information is inserted into patient's Electronic Medical Record using unique "Tree View Templates" technology.

The solution uses centralized data storage, so data is accessible from any application workplace in the network. Accuracy and completeness of data input are checked during the patients scheduling procedure.

Physician can quickly receive the case history, analysis results and prescription information. Application usability and fast access to data help the staff to work more efficiently.

Doctor Eleks – Document Template Editor

All the documents in the application are based on “Tree View Templates”. Using this technique a physician can promptly and easily insert all the data into the application with minimum effort. The handy editor gives simplicity of work. It also ensures that all requirements to document content and layout are met.



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Document Template Editor allows to correct existing documents and to create new templates for physician examination, laboratory research and any other documents usually used in clinic.

Templates allow to:

- Easily change content and layout of the document depending on clinic and physician requirement;
- Auto-fill document fields by selecting appropriate value or text from pre-defined and adjustable list of possible answers;
- Fill in all the important data during the physician examination (empty field of the document will be colored);
- Specify standards for the laboratory measurements.

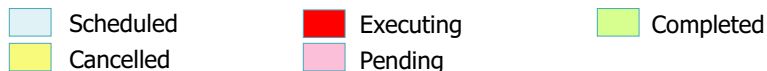
Using Document Templates the physician keeps recommended sequence of examination, quickly fills all the needed data in the Electronic Medical Record without mistakes and misprints.

Doctor Eleks – Scheduling

Scheduling subsystem of Doctor Eleks application provides individual workday planning taking into consideration physicians' and patients' wishes. For the convenience of users, the schedules are displayed in a daily, weekly or monthly format.

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Event status:



Colored event status shows overall picture of what is going on according to the schedule changes.

With Scheduling subsystem there will be no irritated patients queuing up in your clinic. Reason - patients' and physicians' schedules are extremely flexible.

Doctor Eleks – Clinic Activity Analysis

Increase of clinic work efficiency, improvement of the working conditions and higher quality of the medical services - all these requests are implemented in Clinic Activity Analysis subsystem of the Doctor Eleks application.

Using this subsystem you will receive analytical data and statistics concerning workload of the staff, medical service, efficiency of the work and other information.

The report list that is required by the Ministry of Health can be broadened easily on customer's request.

The Document Templates ensure that all data of the Electronic Medical Record is stored in an appropriate structured form. This offers new possibilities of medical data processing. There is an option to export the data to Excel if needed.



Monitoring of workload, personnel skills level and document processing increases the efficiency of work in the institution.

Doctor Eleks – Medical Devices

This subsystem allows integration with different types of medical devices:

- Ultrasound imaging systems;
- X-ray devices;
- Digital colposcopes;
- Tomographs;
- Endoscopes;
- EKG systems;
- Electroencephalographs.

The screenshot displays the Doctor Eleks software interface. The top menu bar includes 'File', 'Tools', 'Reports', 'Schedule', and 'Help'. The main window is titled 'Physician - Doctor Eleks' and shows a patient record for 'Robert Smith', a Gynaecologist. The patient's name 'Mary Black' is entered in the 'Patient:' field. A calendar view on the left shows the date '05/02/2007' selected. The 'Documents:' section lists 'Ultrasound Examination1' at 14:28 by Robert Smith. The 'Personal Info' section shows '12:07 - Myke Anderson'. The 'Gastroenterology' section shows '12:07 - Myke Anderson'. The 'Invasive procedure' section shows '11:28 - Robert Smith'. The 'Anamnesis data' section shows 'Terms of pregnancy: 24 weeks, 2 days' and 'Supposed date of births: 25/05/2007'. The 'Type of examination' is 'transvaginal'. An ultrasound image is displayed in the bottom right corner.

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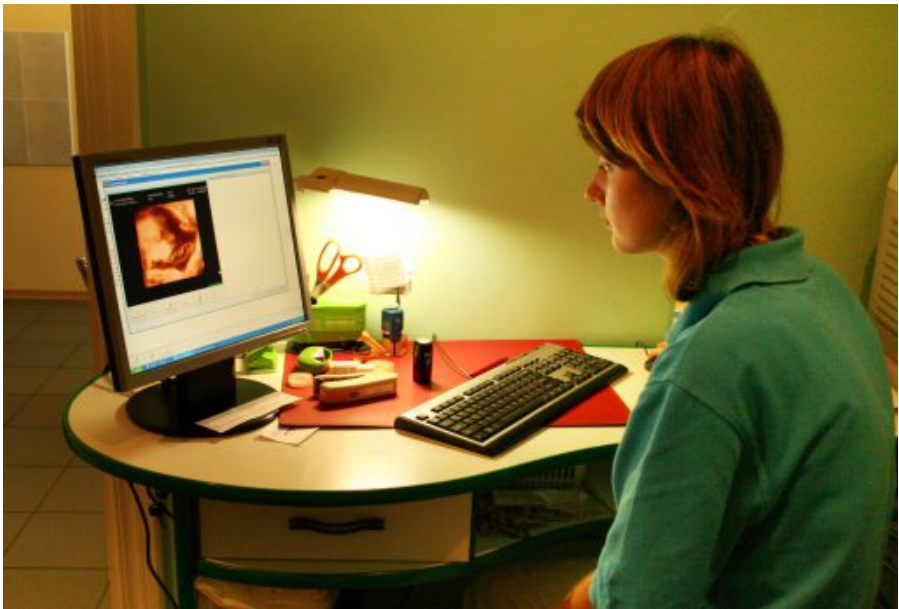
Physicians acquire data, images and video from the medical devices with zero effort, analyze them in various ways, edit, if needed, and save the key frames to the Electronic Medical Record.

Doctor Eleks – Images and Video

Bundled graphical editor allows an easy image processing: physicians can add inscriptions, comments and medical marks.

Working with video and images you can:

- Save only the needed part of an image;
- Use special medical marks;
- Add text to image;
- Paint on the images, make notes of appropriate areas.



Including images in documents improves their informational value and makes them easier to interpret.

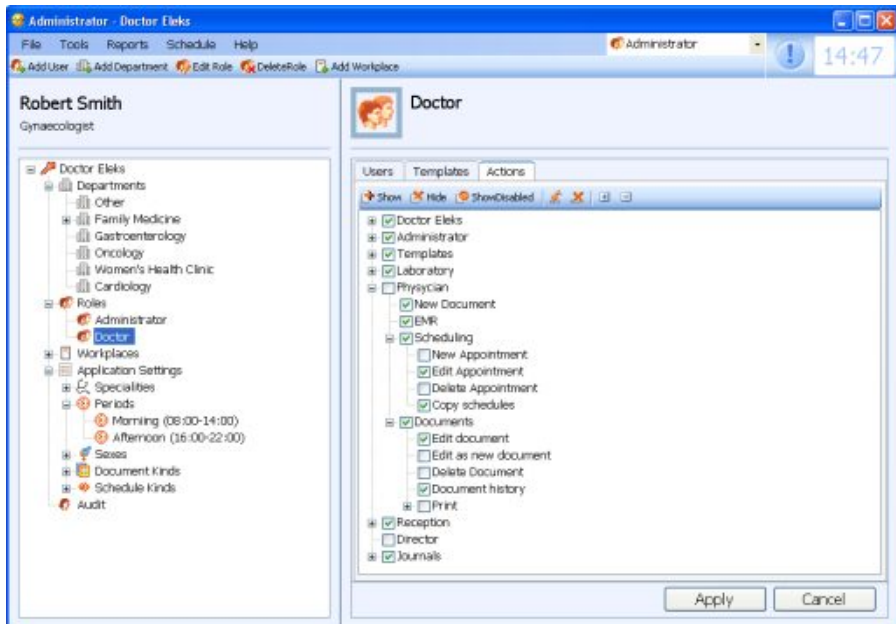
Video editor allows reviewing records, choosing key frames, adding description to them. If needed, annotated key frames can be included into the document. The patient can request video record of his/her medical examination.

Doctor Eleks – Security

The patient data of the Electronic Medical Record should be accessible by the staff with appropriate permissions only.

All the access permissions are set using a specially developed Administration subsystem.

The patient data can be accessible through the Internet if this feature is requested by the customer. For example, lab data received in one branch of the clinic can be quickly transferred and analyzed in another branch no matter how far they are from each other. Security is guaranteed by proper use of https protocol.



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Medical information is highly confidential, so the patient data is fully protected from unauthorized editing, overwriting and printing.

Doctor Eleks – Journals

This subsystem is easy to use and allows creating journals with any content, so the staff can easily create and edit just the ones needed in your clinic.



Journals subsystem gives the following options:

- Fast search of needed information;
- Auto-summarizing of the set period;
- Automatic data entry to journal (based on the information received from the documents).

This subsystem allows recording all of the medical treatments and technological procedures in clinic. There is no longer need to maintain paper based journals.

Doctor Eleks – Director

Director subsystem allows monitoring of all the operations with a document:

- Creating;
- Editing;
- Printing;
- Deleting.



Director has handy access to all this information filtered by the following criteria:

- Physician;
- Patient;
- Document type;
- Date;
- Time;
- Operation with document.

During each operation with a document the read-only copy of the document is created. It allows to keep track of all editing and printing of the document.

Want to know more about Doctor Eleks?
Contact us now!



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