

Trend-setting findings documentation in the clinical complex Magdeburg with MEDNOVO

Increase the quality and efficiency by structured findings

Process improvement by innovation is indispensable. It applies in times in which more and more savings must be carried out to hospitals to improve processes, to find out and to convert specifically saving and efficiency increasing potentials. The application of information technology has become for this of high importance. Just in connection with the topics of the increasing patient data, costs, the competition as well as the health card the urgency becomes considerably the increased efficiency and cost relief of a digital flow of information. The clinical complex Magdeburg has recognized this trend-setting meaning and has established with MEDNOVO Medical Software Solutions GmbH from Berlin a digital overall-plan for the structured documentation and findings.

The clinical complex Magdeburg:

The clinical complex Magdeburg enjoys an excellent reputation with their various special fields, nationwide. It covers the complete spectrum of a clinical supply as one of the academic teaching hospital of Otto von Guericke Universität Magdeburg. The clinical complex Magdeburg decided in favour with their removal to the present location, Birkenallee, in 2007, for an innovative and trend-setting further development of former paper stacks for the digital extraction, storage and use of information and data. With his claim of an IT-overall-plan instead of numerous individual solutions, the clinical complex understood the requirements of a modern and future directional hospital organization: Only a holded overall-plan, which is concerted, offers the optimal planning and use of resources and therefore increases quality and efficiency of the clinic routine.

The tender:

Magdeburg initiated a tender for a software solution as a cardiological documentation system. It was the idea to use a trend-setting overall-plan for the findings documentation. Value was attached to the HL7-interfaces by Siemens to the available HIS medico//s since all subsystems are connected via HL7.

The result:

The company MEDNOVO Medical Software Solutions GmbH from Berlin has won the tender with their product MediColor for the medical findings and documentation.

Interview Gerhard Ertl, IT-manager of clinical complex Magdeburg

Mr. Ertl, what had the hospital Magdeburg occasioned to initiate a tender?

Our hospital had decided with the removal into today's building, to change over to a digitalization of the data. This already resulted alone from the shortage of space for stock of file. We have therefore weighed up the costs, inclusive the possibility of economy, which implicates a digital utilization and storage of the patients and examination data. Medical data must be stored for 30 years. The reinvoke of the data, one year after patient treatment, however, is lying on a lower percentage. Therefore it is possible to access on one third of the stored data. Moreover, a manual recording of data always contains a higher error source as if data are played in digitally, into forms. And in the context of the discussion around the health card we knew that the future will speak digitally.

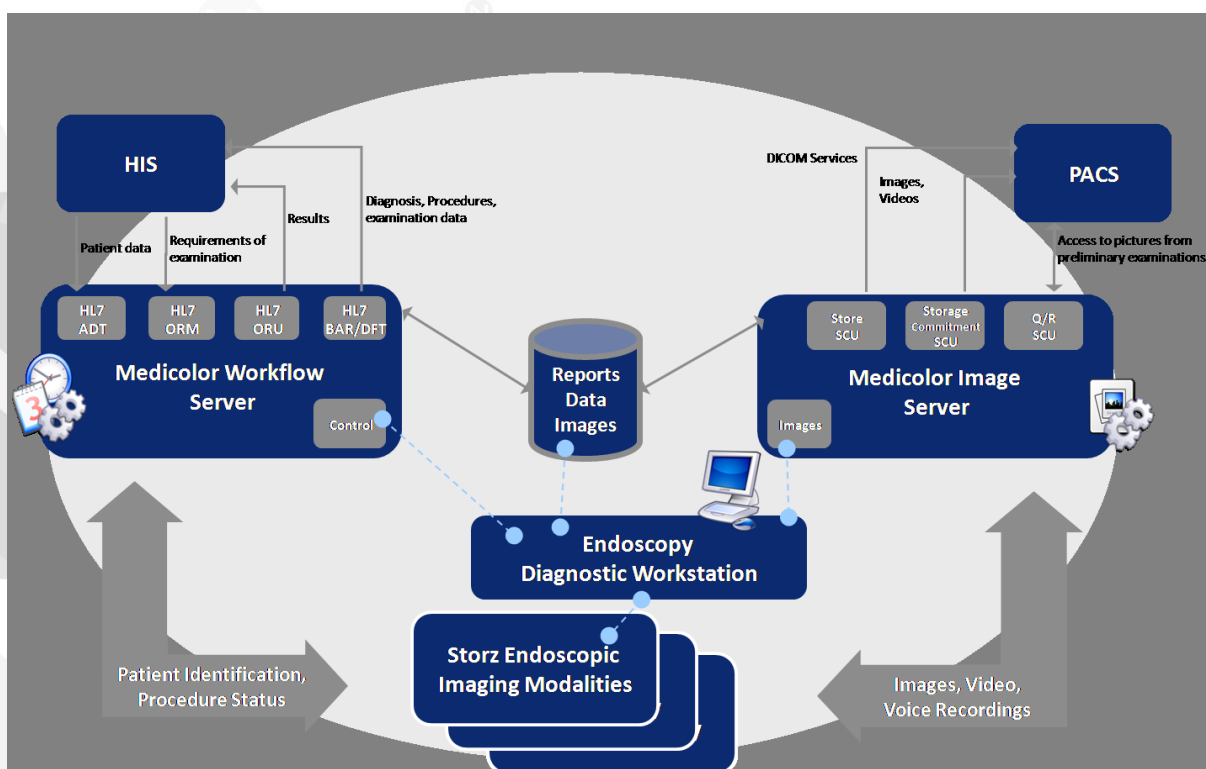
Why do you have decided in favour of MEDNOVO and the product MediColor?

Our wishes to software system, described in the tender and the offers and experiences of MEDNOVO have been mated, that means: the digital processing of the examination data with the existing equipment via HL7- interfaces. With their various ranges of application MEDNOVO realized exactly the wish of the clinical complex Magdeburg: An IT communication data interchange overall-plan for the medical documentation and findings to the relief of the physicians and quality assurance in the clinic routine. Also after the placing of orders to MEDNOVO the support is correct. At any time, our questions and wishes are immediately taken up and the complex topic is always conveyed clearly. So, we introduced MediColor in cardiology at first. MediColor is represented with a campus solution in various sections of our hospital: Cardiology, neurosurgery and ultrasound as well as in a pilot project in the visceral surgery: The connection of a Karl Storz AIDA into combination with MediColor. ENT and neurology will follow soon.

How is the mode of operation of the documentation system of MEDNOVO?

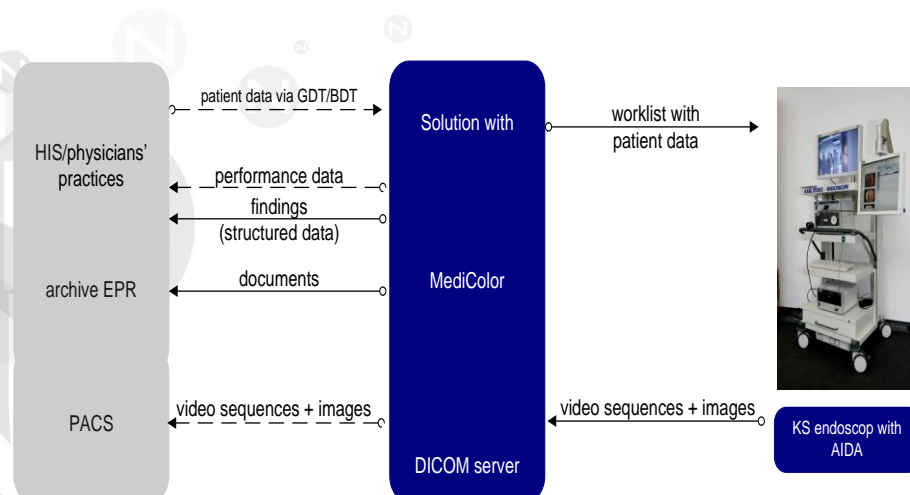
MediColor as a documentation system carries out the claim to quality control and quality assurance and relieves physicians and nurses through their mode of operation in their documentation and administrative activities. MediColor combines the examination data digitally from the devices with the patients, investigator data and hospital data.

Data between MediColor, HIS and the electronic patient file (archive/EPR) are exchanged; Graphical material from examinations is taken and can be triggered in MediColor again and can be stored in the PACS, on request. The complete process can be represented as follows graphically at the example of the integration with a Karl Storz endoscope:



Which advantages does the structured medical documentation bring with MediColor?

By use of the EDP-supported medical findings documentation and the archiving system MediColor, organizational efficiency profits are valid in various areas. These are on the one hand temporal and financial values but also patients and employee satisfaction. The work of the physicians and nurses is made easier by it, that the process velocity as also the precision will be increased, since manual petitions are dropped. The documentation of the individual examination steps is carried out digitally and is immediately on the station available. Surely, you can get an idea now, what kind of capacities by this form of the structured documentation are released and can be used efficient. The future looks that way!



How is the reaction of the head physician, senior physicians and the nurses on the new system?

You know the reaction at the beginning of a rearrangement. Changes have always something to do with readjustment. But we have got a very good resonance. Our physicians and the nursing staff are enthusiastic about the simplicity, the time-saver, the precision and the recyclability of the data, which is being processed and stored, played in by MediColor, included. Every image and every result of a certain patient have one and the same identification, so that no more mistakes can happen. Physicians can take their obligation into an account after precision and correctness in their documentation activity. We learn a clear relief of the work routine by this digital process optimization!

We thank you for the interview and your time!