

medavis Highlights

YOUR WAY
TO MORE
EFFICIENCY

Optimal Radiology Workflow Management



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Dear users and interested parties,

Reaching your goal faster with medavis - this is not only a marketing catchphrase, but commitment and promise at the same time. From many conversations with our users, I know that our medavis RIS distinguishes itself with many essential features from almost all vendors. The main criteria for our demanding customers are speed, stability and efficiency of our system, but to a large extent also reliability, motivation and the expertise of the whole medavis team.



I am especially pleased about the great success of one of our users who won the German Business Award for the second time due to his personal commitment, and with the support of our REFERRER PORTAL. The ranking of the imaging center website and the reviews are impressive. In the Google reviews, the speed of report transmission and our solution have been mentioned positively numerous times. In this way, medavis could contribute a fair amount to the reputation of the imaging center. You can find the report on our website.

Warm regards from Karlsruhe,
Sandra-Maria Axtmann
Head of Marketing, medavis GmbH

Fit for the Radiology of the Future

Every time when new developments are introduced into radiology, medavis is at the forefront. We adapt medavis RIS at an early stage so that you can always work up to date - easy, fast and efficient. In this way you are ready for the challenges of tomorrow already today.

Integration in Electronic Health Records

In Austria, medavis was one of the first RIS suppliers to provide a native interface to Electronic Health Records such as the regional NÖBIS system in Lower Austria or the nationwide ELGA system. The integration is based on IHE profiles such as XDS.b and PIX.

By using international healthcare standards that are implemented by most providers of document management systems, medavis RIS can be connected to your specific Electronic Health Record as well.

Teleradiology

Cross-site and collaboration beyond installation limitations is a topic that concerns many imaging centers.

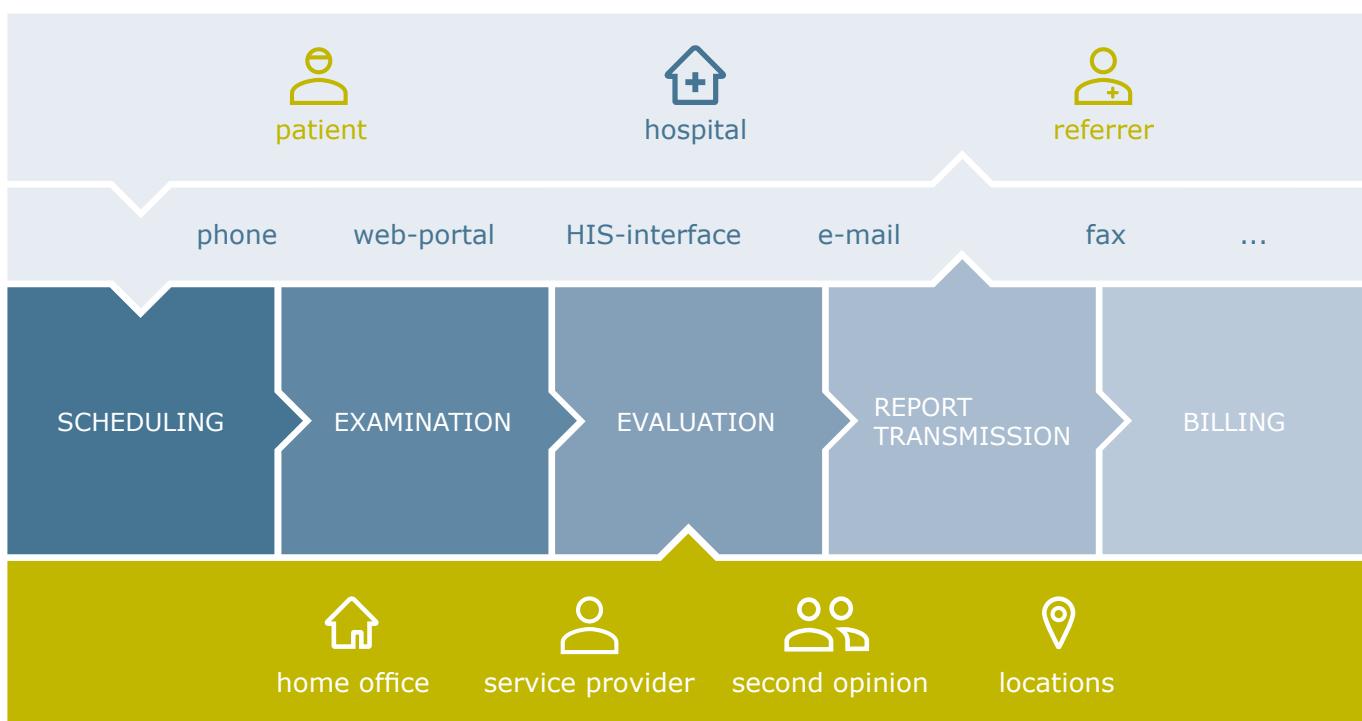
With the medavis RIS teleradiology solution you lay the foundation stone for connected working and invest into a secure future.

Structured Reporting

With the structured reporting, medavis RIS builds a bridge between reporting guidelines and structured documents. The solution ensures that all elements of the structured report can be read independently of the manufacturer in a standardized way.

With medavis RIS you reliably control all radiological processes from registration to billing. In this way you create a basis for quick, efficient and secure diagnostics, improve the quality of service for your patients and minimize the expenses for administration and controlling at the same time.

No Compromises - medavis RIS



Statistics PRO

Effective Management

medavis Statistics is an essential tool for successful management and controlling of your radiological institution. More than 450 pre-defined statistics enable you to make a detailed evaluation of your business processes and support you in analyzing the data from medavis RIS.

Efficient Controlling

You can quickly and easily analyze all incoming data. The results are presented clearly. You can choose between detailed lists, simple accumulations, graphical comparisons and progress representations. You will receive meaningful data you can use to improve productivity, quality and economic efficiency in your radiology.

Analysis at the Click of a Button

The provided statistics were created according to the requirements of our users and are continuously enhanced upon request. With Statistics PRO you can flexibly add your own statistics. You can summarize the most frequently used statistics in a personal menu.

Routine analyses can thus be done at the click of a button. The statistics are divided into clear categories and can be created for a desired period of time. This makes it possible to sort your analysis by the patient's insurance status (private/NHI).

Automatic Report Notification via E-Mail

With Statistics PRO you can send all statistics automatically via e-mail to freely selectable recipients. This only requires a common e-mail program. You and the other recipients automatically receive the generated statistics at the defined time via e-mail.

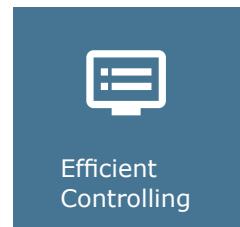
Additionally, you can export the generated data and continue to process them in any common third-party spreadsheet calculation or statistics program.



statistics.medavis.com



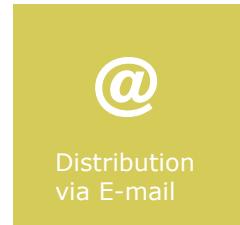
Effective Management



Efficient Controlling



Analysis at the Click of a Button



Distribution via E-mail



Innovative Functions for EVALUATION

Painter

Improved Communication Through Graphic Highlighting

The RIS function PAINTER is a digital drawing tool, that is integrated into the RIS text processing and can be opened quickly by clicking on the respective button during evaluation.

With the help of the PAINTER you are able to enter graphic elements into your report templates, that before consisted most of the time only of text. Referrer and patient can be pointed towards the affected areas in this way. Your report text is clearer and can be better understood. For prostate exams you can e.g.

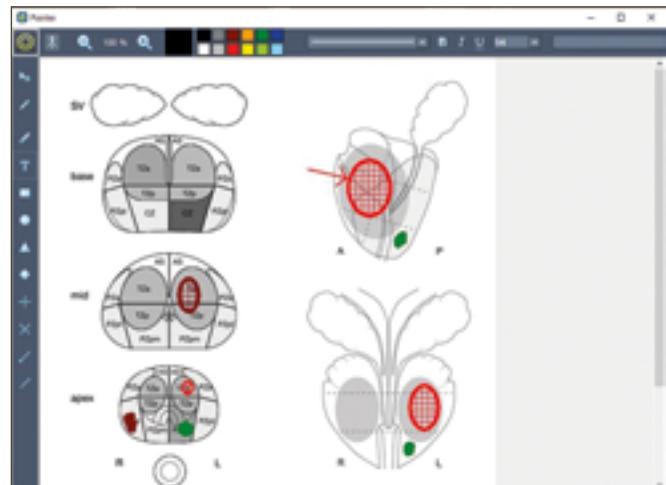
provide valuable additional information for the treating physician that is important for an optimal continued treatment of your joint patient.

For this, you simply add the image via drag & drop into your report template, mark the image and select the desired editing function as in standard drawing programs.

You can link your drawing with examination methods and regions and use it as a template in the master data configuration. Advantage: The PAINTER opens the correct image template automatically.

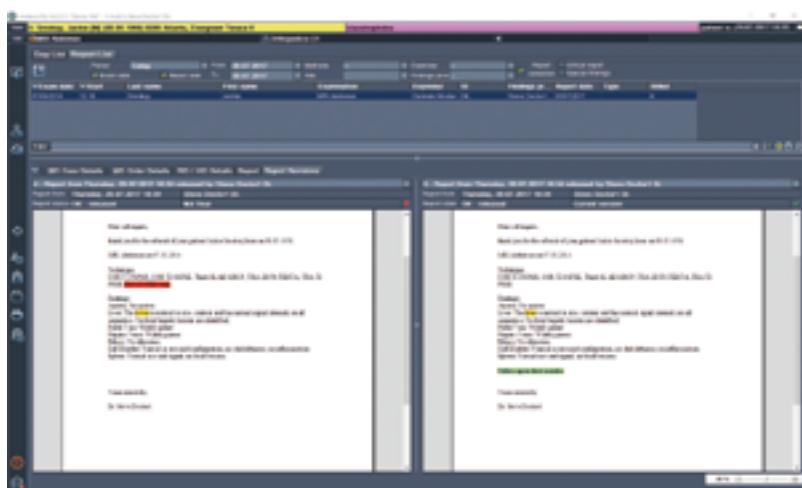
Functions

- Directly integrated into the RIS word processing
- Typical tools for drawing available:
- Freehand drawing
- Several shapes: Rectangle, circle, line, arrow and more
- More colors, line widths and filling patterns
- Text tools
- Drawing on the templates you selected
- Each graphic in the report can be opened and drawn or marked



Template is an example

Report Comparison



The report comparison makes it possible to compare two report versions on the screen. The differences are marked in color. Your advantage: Reduced workload for the collaboration in the team. If e.g. the senior physician releases the report of an assisting physician, the assisting physician can retrace the changes and learn from them.

This works similar to the change mode of common word processing programs according to the following color scheme:

GREEN: New content

RED: Deleted content

YELLOW: Changed content

When Every Click Counts – **Automatized Workflows**

medavis is THE specialist for workflows in radiology. Why should we not automatize them further?

With the new automatized workflows in medavis RIS, you save valuable time and make your work easier.

With an individually configurable set of rules, you can automatize your workflows and processes according to defined criteria.

autoPlan sets the patients at the start of an examination order from the hospital information system in the respective examination room automatically to "Waiting". In this way your employees do not have to manually receive and schedule the order. You can e.g. configure this workflow step for all CT examinations during the night shift or simply adjust to the workflow of your trauma surgery department.

autoExam enables you to automatically end the respective examinations and mark them as "carried out".

autoService rounds off the new module with a completely automatized service entry and leads you directly to billing the completed order.



Data Protection – On the Safe Side with **medavis**

Your medavis RIS and all other medavis solutions guarantee the highest level of data privacy protection and security.

medavis RIS supports you, for example, with the duty of disclosure and automatically takes the relevant deletion periods in the system into account. Additionally, there is a continuous protocol of all transaction data (patient, examination, case, service entry, image links) and the data accesses for internal use. You can always retrace who accessed which patient details or reports.

Other Functionalities:

- Documentation and management of patient consents
- With the function "report restriction" you can define the process of report release and transmission.

In addition, further modules of your medavis RIS offer even more support and comfort in handling your data.

➤ **Optional:** With the module PatientDataAccess you can control which doctors can access the patient data for the defined patients.

➤ **Optional:** Via a separately available interface you can connect systems for digital patient clarification/consent. Thus, you digitalize the workflow as soon as the patient is registered.



dataprotection.medavis.com

... Created for Referrers from the Initial Idea Onwards

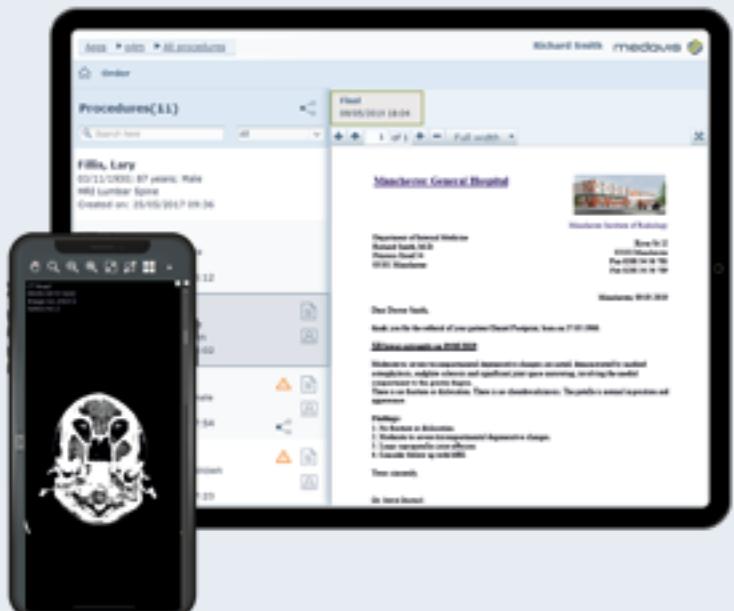
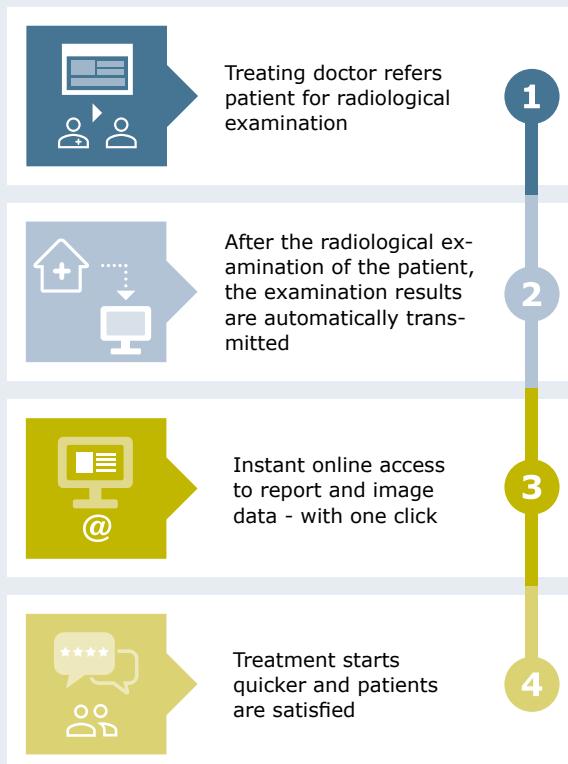
With the medavis REFERRER PORTAL your referrers have easy online access to the reports and studies you created - doctors without PACS can view them in the integrated viewer. This is also possible without problems on mobile devices. The display of previous images and the download of the original DICOM data are also possible in the portal.

The portal can be opened from every device with internet access and a common web browser in the current version.

In order to protect the data of your patients optimally, you can also give colleagues short-term access to relevant data. Thanks to detailed access permissions and encrypted data transmission, you and your referring doctors always work transparently and securely with the sensitive medical data. Our referrer portal opens up new possibilities for web-based report and image communication according to the highest security standards and in compliance with the EU data protection regulation.



Smooth Information Exchange



referrer.medavis.com

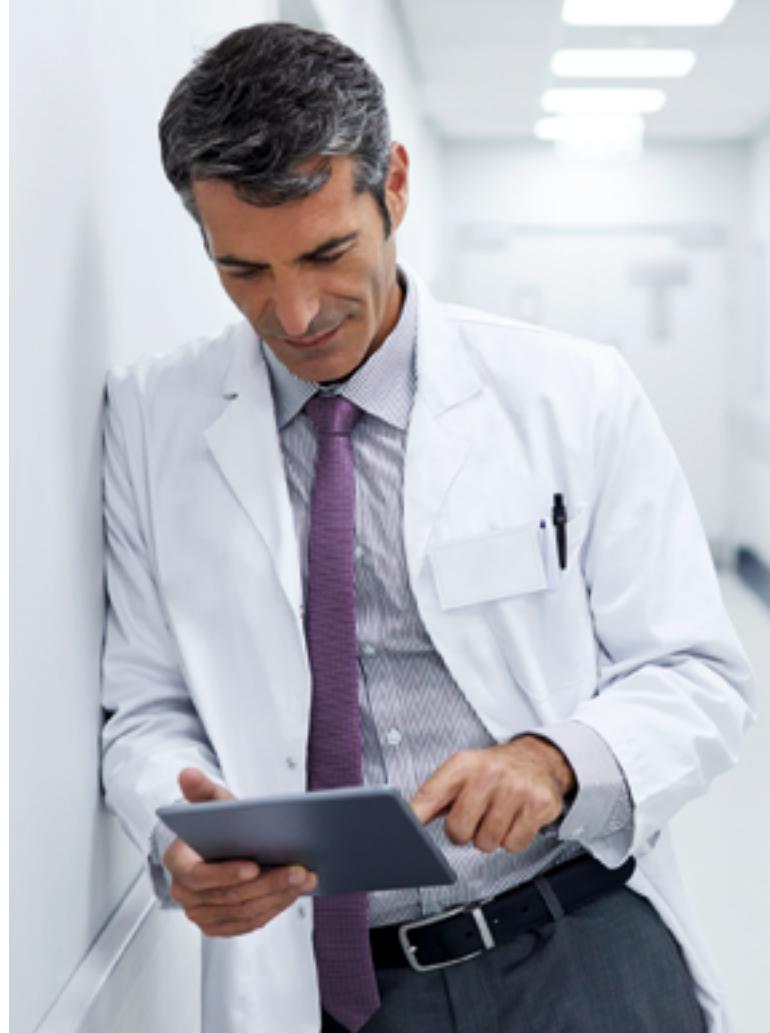
Lead Confidently with Facts – Always Up-to-Date

In order for you to benefit from the flood of data, medavis developed cockpit4med.

cockpit4med enables you to manage your own radiological workflow quickly and effectively by delivering important information in real time even to tablets or smartphones.

Live data are displayed clearly. In this way you can analyze the working situation in your imaging center and take targeted action.

The cockpit4med also analyzes data from the referrer portal, so you always know how the referrers use your service.



medavis cockpit4med Gives Extensive Overview of:

Waiting times

Appointment and room occupancy

Sites

Examinations

Reports

Billing

Turnover

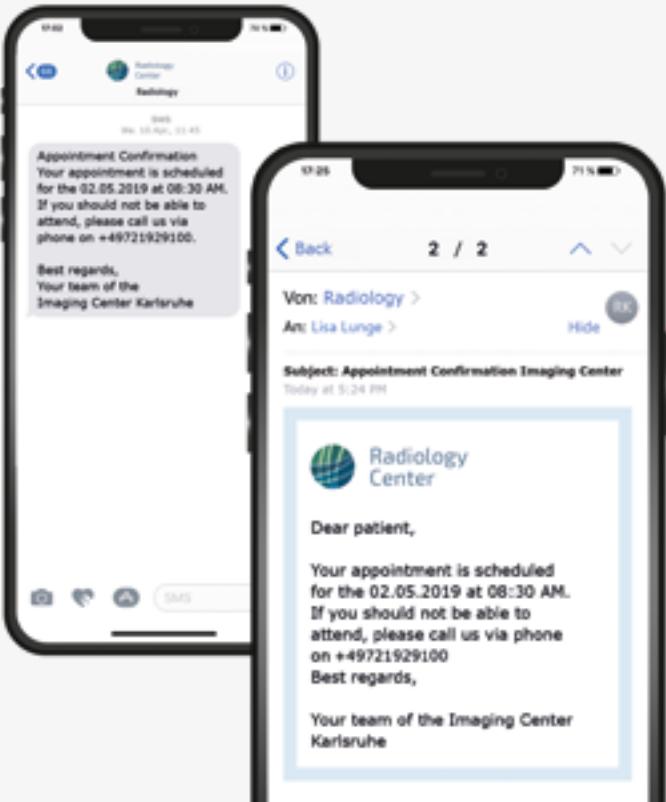
Referrer

Communication and HL7 queue



cockpit.medavis.com

Patient Notification



In the course of the digital and networked communication with patients, the appointment notification has been enhanced in order to not only promote automatized patient communication via e-mail and SMS before, but also after the visit in the imaging center.

Your Advantages with medavis Patient Notification:

- Service for the patient
- The number of patient absences is minimized significantly
- Establishment of trust and satisfaction by giving feedback
- Increase of imaging center quality with the help of patient feedback
- Distinguish oneself from other imaging centers and clinics
- Consolidation of online positioning



reviews.medavis.com

Interface to Dosage Management Systems

Lean Processes due to an Optimal Integration into Your Workflow

The implementation of the European EURATOM guideline is intended to further improve radiation protection at the workplace, for the general public and in medicine. This guideline is based on the latest scientific standard and has the goal to ensure a comprehensive protection from ionizing, i.e. high energy radiation. This guideline had to be implemented into national legislation by February 6th, 2018.

In the future, medavis offers users the possibility to connect any dosage management system to medavis RIS via an interface.

The connection enables in addition to the automatic inclusion of dosage values into the radiological report also the call of an external dosage management system on examination and patient level. The call is supported both from reporting and other pages in medavis RIS.



Your Advantages with a medavis Interface to a Dosage Management System:

Complete integration into your medavis RIS workflow without additional effort during reporting

Automatized integration of the dosage values into the radiological report via respective placeholders in the report templates

Call of an external dosage management system on examination and patient level directly from reporting



dose.medavis.com

Teleradiology – with medavis RIS

Integrated Reporting from Another Site



Connected Working Across Several Sites - Use Your Full Potential

With the medavis teleradiology solution, you will in the future be able to create and send reporting orders from any site. The reporting of teleradiological orders is done at another site and completely integrated into the medavis RIS reporting workflow.

You always have the complete overview of your current reporting orders and can add new sites and manage the recipients there.



teleradiology.medavis.com

Advantages with a medavis RIS Teleradiology Solution

Receiving and sending reporting orders independent of the site

Completely integrated reporting workflow of another site, including speech recognition and image call

The electronic report transmission to the order giving system after release

Central administration of participating sites

Support of the cross-site reporting pools in order to group and address all specialists for reporting

Central monitoring of your reporting orders, including status management



With the medavis RIS teleradiology solution you lay the foundation stone for connected working and invest into a secure future.

medavis RIS-Service Agreement

Software Maintenance That Pays Off

From the very start of operation IT systems are exposed to influences from various areas. Every software application needs permanent maintenance to ensure compatibility with evolving operating system and hardware environments. This is true in particular for healthcare software that needs also to quickly adapt to constantly changing legal or health insurance requirements as well as healthcare standards. The medavis service team always provides you with software applications that are up to the latest healthcare standards and technological developments.

The medavis service team always gives you a helping hand when you are stuck with any issue that may arise with your applications or data. Hence the medavis RIS Service Agreement is your effective way to benefit from technological advancements while keeping your initial investment safe.

What is Included?

- Access to the medavis support organization and the medavis service catalogue with a variety of attractive support offers for your individual local installation
- Bug fixing, regular updates and services with service priority
- Remote diagnosis by medavis RIS experts in case of software issues
- Free input of change requests, adoptions and qualified feedback



service.medavis.com

Keeps Your RIS Future Proof

Protects Your Investment

Predictable Cost

Reliable System Stability

Closing Security Gaps

Local Support & Global Standard

Avoidance of Malfunctions or Failures

Long-Lasting System Operability

Service Ticket via Secure Access



medavis Support – Use the Full Potential

medavis Service Center

The medavis Service Center is your modern online communication channel to us. Via this portal you contact the experts of the medavis support without detours, enter service requests or error messages and can always monitor the current processing status. Additionally, you are instantly notified as soon as solutions or queries to you are available.

After introducing the medavis Service Center at the beginning of 2018, it has developed into an important pillar of our support - with continuously growing interest and positive feedback. Our customers and partners especially value the transparent display of the current status of their support requests across the complete site.

24/7 On-Call Service

You can reach your medavis service team from Monday to Friday for ten hours every day. In addition, we support you with an optional emergency on-call service - for the case that errors in medavis software occur outside of our business hours.

With the respective service level, you can reach us outside business hours at an emergency number. A qualified employee from the medavis support team will help you to get your medavis system up and running as quickly as possible. The on-call service is provided in English.



Structured Reporting of the Future

medavis shows you the structured reporting of the future in a product study and in the RIS reporting module. You can then create your reports in a defined structure with controlled terms in an unambiguous and complete way with top quality. You save time when communicating with referrers, as the report is standardized.

Standardized Format with Structured Entry

Due to the structured report creation, your reports are not only stored as pure text in the future, but also in a standardized format. The approach ensures that all elements of the structured report can be read independently of the manufacturer in a standardized way. With the structured reporting, medavis RIS builds a bridge between structured entry and structured document. In order to generate a structured report, your data is recorded in a structured way by selecting terms and codes.



report.medavis.com

Use the Advantages of HTML5 Report Templates by RSNA

Standardized guidelines by expert committees

Standardized registration of examinations

High-quality report templates

Template structure and exchange according to IHE standard

Free text field for individual circumstances

Selection and distribution of templates via repositories on the internet

Selection of elements by voice control and speech recognition

HTML5 templates offer the possibility to exchange reports in a standardized, vendor-independent and structured format (IHE-CDA).

HTML5 templates contain elements that can be operated with few clicks or voice commands.

HTML5 templates can contain logics that display or hide context sensitive elements.

Your Way to
More Efficiency

Connection to the Document Management System – Development of an Electronic Patient Record

The Magic Word Is: IHE XDS.b

medavis cannot perform magic, but with IHE XDS.b profile support we enable you to implement the distribution, access and management of your electronic patient record in a standardized and vendor-independent way. With the profile XDS.b (Cross Enterprise Document Sharing) and the related profiles ATNA (Audit Trail and Node Authentication) and CT (Consistent Time), medavis supports the connection to your document management system to establish an electronic patient record.



patientrecord.medavis.com

How Does This Work?

The documents are managed in a registry and archived in a repository. The access occurs via notification according to IHE specifications. XDS.b defines an XDS.b Affinity Domain that uses the same policies and the same infrastructure.

medavis supports the following IHE profiles:

- XDS.b as document consumer and document source
- CT as time client
- ATNA as secure application
- Certified at the IHE connect-a-thon

OUTLOOK

Our software is continually being developed. In addition to legal and technological requirements, we implement wishes of our customers.

The following new features are already being developed today:

Structured reporting

Networked working with the medavis Teleradiology

Adjustments in the course of the general data protection regulation

Increase of interoperability due to additional IHE profiles



**medavis –
A Secure
Investment
into the Future**



RADIOLOGY
WORKFLOW
MANAGEMENT

Since 1997, medavis has been synonymous for IT solutions in medicine that go one step further:

- State-of-the-art software technology
- Future-oriented, expandable IT processes
- Individually customized services
- IT experts for process optimization and networking operations in radiology
- High-performance products with high-level functionality
- Long-standing project experience
- First-class customer service by qualified staff

Over 700 national and international medical centers, hospitals, clinic associations and teaching institutes already rely on radiology solutions by medavis.

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