medavis

Teleradiology
Connected Workflows

Since 1997, medavis has been synonymous with medical IT solutions that go one step further:

- State-of-the-art software technology

- Future-oriented and modular IT processes

- Customized services

- IT experts for process optimization and networking in radiology

- High-performance products with high functional depth

- Many years of project experience

- First-class service by qualified staff

Over 900 imaging centers, clinics, hospital groups and teaching institutes of all sizes rely on medavis radiology workflow solutions.

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RADIOLOGY WORKFLOW SOLUTIONS

Cross-Site Networking

A major challenge in radiology is the **shortage of medical specialists**. Moreover, radiologists tend to specialize frequently and preferably opt to work in larger cities or medical centers. Especially in rural areas, this frequently leads to prolonged journeys to the nearest radiological practice or specialist. Moreover, the field of radiology itself is becoming increasingly complex - mergers into steadily growing entities and networks are placing ever greater demands on the infrastructure.

Thanks to cross-site networking, **you can bundle your radiological expertise** by creating reports regardless of where imaging is taken. Our teleradiology solutions provide you with tailored support.

These solutions do not just entail the transfer of imaging. Rather, they reflect a comprehensive, digital, and decentralized workflow, covering every step from the examination to the report order and the finished report.

medavis Teleradiology is ideally suited for **cooperations within radiology networks**, for instance, or for obtaining **expert assessments and second opinions** from radiologists based in other locations.

This allows you to increase your device utilization, reduce the number of patient transports, avoid multiple examinations for patients and thus expedite patient care.

- ➔ Night/weekend shifts
- ➔ Urgent care
- ➔ Consultations
- ➔ Balanced workload

Connecting through One Platform

Benefits for Radiologists

Evaluation in a Familiar Environment with a Full Scope of Functionality

➔ Speech recognition, text modules, automatic image call, integrated template management, and much more

➔ Receipt of reporting orders in real time including all information from the clinical request

➔ Notification of new reporting orders

Seamless Integration into Existing RIS Workflows

➔ Creation of final as well as preliminary reports, e.g. for evaluation by assistant physicians

➔ Corrective workflows for retrospective changes

➔ Fully automated report transmission

Main Teleradiology Platform

The main teleradiology platform connecting all parties involved comprises the core of our solutions. Data exchange runs without any time delays and communication takes place in real time. Particularly for orders submitted to diagnostic pools, this platform proves itself to be indispensable. As soon as a user accepts an order for an evaluation, all other users from that pool are notified. The entire process is managed and operated centrally. Further sites or new collaborators can be integrated at will.

RIS2RIS Teleradiology

Our RIS2RIS teleradiology solution allows for the creation and delivery of reporting orders between sites via medavis RIS. Teleradiology orders are evaluated entirely within the familiar working environment with its full range of functions and with no additional administrative effort. An overview of all orders and their processing status is available at all times, as is information relevant to patient evaluation from connected systems such as HIS.

WEB2RIS Teleradiology

Web2RIS teleradiology allows you to integrate facilities into your network that do not have medavis RIS in use. If external diagnostic services are needed at such a site, a teleradiology order can be created via a web interface and submitted to a linked medavis RIS for evaluation. The results are then made available to the client online.

Benefits for Radiographers

Reporting Orders With Just a Few Clicks

➔ Directly within the RIS workflow or via a web interface

➔ Quick addition of further information such as anamneses, queries or commentaries

➔ Available in multiple languages

Rapid Receipt of Corresponding Reports

➔ Report transmission in real time

➔ Notification of report arrival

Benefits for IT Managers

Centralized Administration

➔ Central management of teleradiology routes, sites, users

➔ Simple network expansion

➔ Live monitoring of all reporting orders

Data Security and Data Protection

➔ High data security (Security by Design)

➔ GDPR-compliant data transfer

➔ Privacy by Design & Privacy by Default

High Protection of Your Patient Data

All communication processes across the main teleradiology platform are protected from third-party access thanks to detailed access rights and encrypted data transmission. The Security by Design concept guarantees a high level of data security, allowing you and your colleagues to work transparently and securely with sensitive medical data at all times.

The transmission of images and reports complies with the EU General Data Protection Regulation (EU GDPR) and is in line with the highest security standards.

Privacy by Design & Privacy by Default
At medavis, the protection of patient data constitutes a major component in the development process of all products. As a result, basic data protection requirements are already met by default (Privacy by Design) and are also activated automatically during commissioning (Privacy by Default).

Certified Security
Exceptionally high standards apply to web applications, which are becoming an increasingly essential part of the processes in the healthcare system. The security guidelines of the Open Web Application Security Project (OWASP), which assess the most common threats and provide effective measures for protection against these threats, constitute a pivotal instrument.

By employing the OWASP methods, medavis has successfully achieved a high level of security in its web applications. This was verified and certified by the external and accredited service provider usd AG through penetration tests.

Certifications in Line with Recognized Standards
medavis maintains an information security management system in accordance with the leading ISO 27001 standard, which not only encompasses the classic IT areas but all processes in the value chain. These also include in particular the areas of software development, project implementation and support, which are of importance for our users.

The ISO 27001 standard (information security management system) ideally complements the standards ISO 9001 (quality management system) and ISO 13485 (quality management system for medical devices), according to which medavis has already been certified for many years.

medavis users benefit greatly from the fact that they can fully trust a certified manufacturer to consistently implement the rules of recognized standards.

Live Monitoring of Reporting Orders

The Radiology Dashboard provides you with the ability to manage your radiology workflow quickly and effectively by delivering important information from various data sources in real time and displaying it graphically.

In addition to analyses from both RIS and portal4med, the monitoring of your teleradiology routes is now also available in the dashboard. This feature allows you to keep track of the number of reporting orders currently available at the individual sites, their status, and much more.