



# RIS

THE SMART RADIOLOGY WORKFLOW MANAGER

## *WHO'S NEXT?*



VERSION 3.3



# OPTIMAL MANAGEMENT OF THE RADIOLOGY WORKFLOW



iQ-RIS is a flexible radiology information system, which can easily be customized to meet the requirements of any hospital or imaging center.

Representing the next generation of radiology information systems, iQ-RIS offers superb tools for the optimization and customization of the radiology workflow and allows an integration with almost any PACS.

Since iQ-RIS is available as a modular system, it can be flexibly adapted to the individual needs of any radiology practice. Even the basic version of iQ-RIS includes a number of valuable features to efficiently manage the workflow:

- A user-friendly calendar
- A comprehensive scheduler
- A consistent electronic medical record system
- An integrated DICOM Modality Worklist provider
- An integral workflow module

The comprehensive calendar and scheduling modules allow for easy administration and planning of all kinds of appointments and procedures. With the included DICOM Modality Worklist provider, the radiology workflow is accelerated, while simultaneously reducing typing errors and ensuring consistent patient data.

Patient histories, any external document or patient-related data can be easily and properly managed by means of the included electronic medical record system (EMR).

Due to the Workflow module, which provides a reliable overview of all scheduled procedures, key data of every scheduled study is easily accessible at a glance.

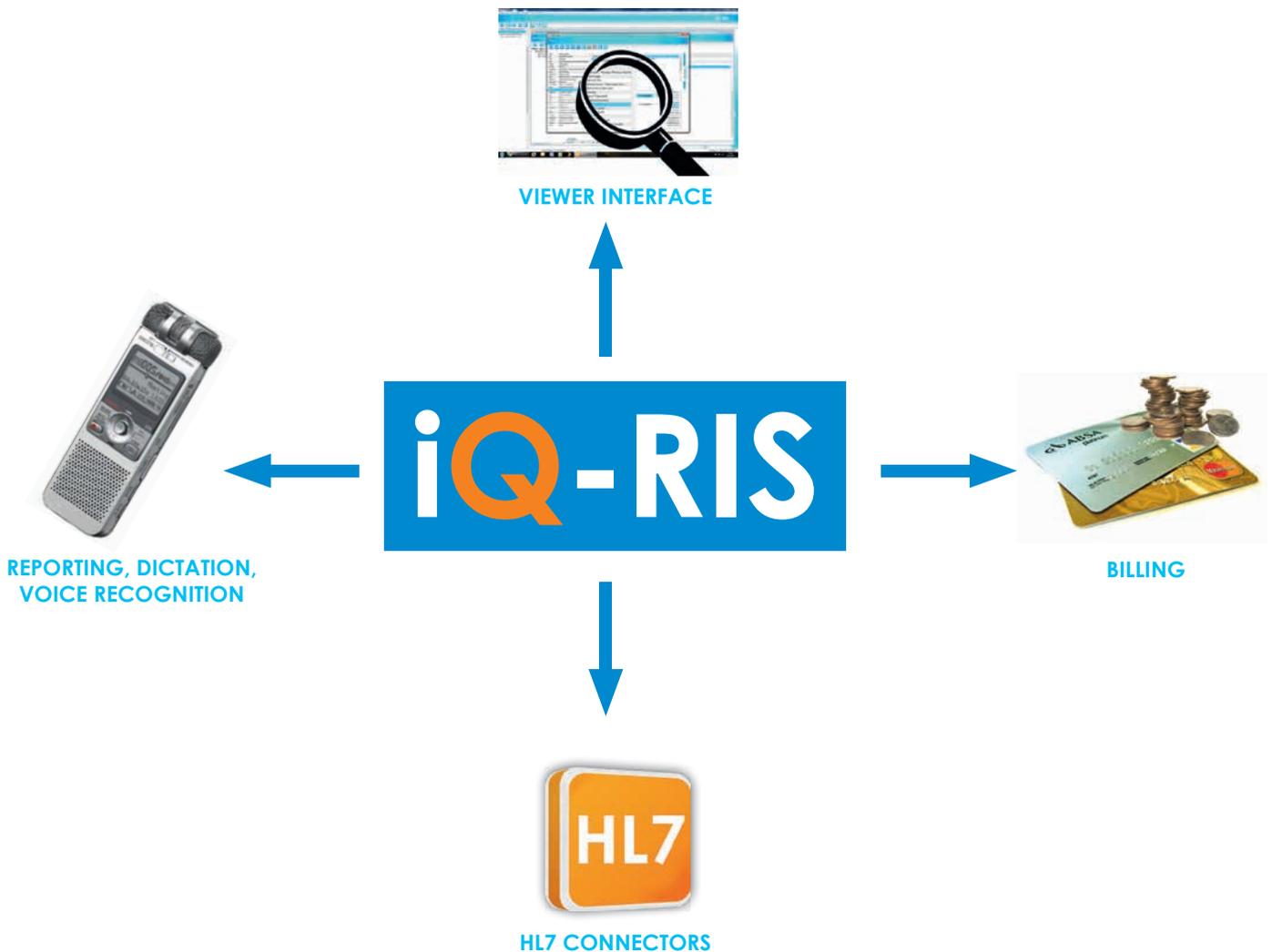
To customize individual features, the following modules may be added:

- **iQ-RIS REPORTING/DICTATION**  
DICOM structured reports / electronic dictation and transcription of reports
- **iQ-VOICE**  
Automatic speech recognition and transcription of reports

- **iQ-RIS VIEWER INTERFACE**  
Interface for a selected DICOM viewer
- **iQ-RIS HL7 CONNECTORS**  
Integration with existing information systems like HIS and PACS for shared access to information

- **iQ-RIS BILLING**  
Billing of medical procedures to insurance companies or to health service providers

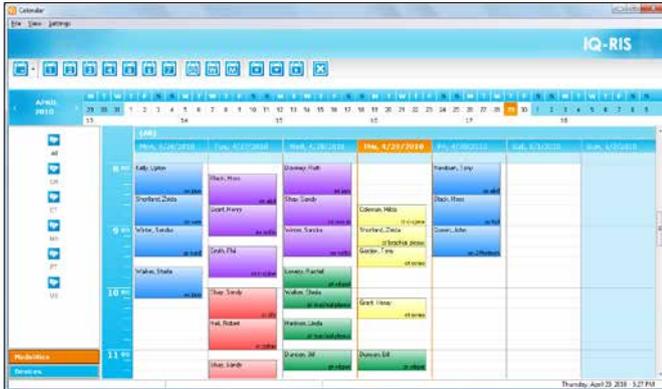
To learn more about the additional modules, please refer to the respective brochures.\*



## THE SOLUTION CAN BE SO SIMPLE

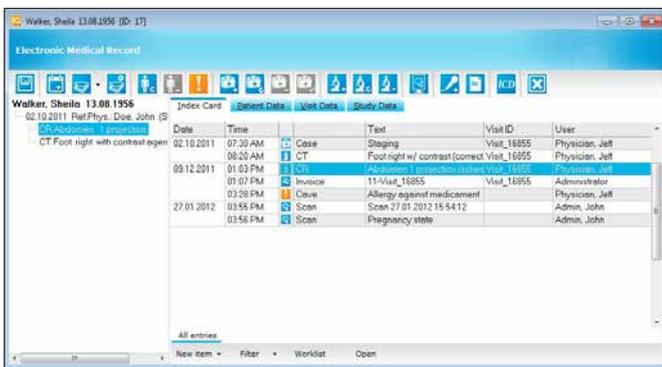
\* Information on the respective system requirements can be found in the iQ-RIS 3.3 Administration Guide.

# CALENDAR, SCHEDULING MODULES & EMR



iQ-RIS contains a comprehensive and user-friendly **calendar** optimized for the management of patient appointments.

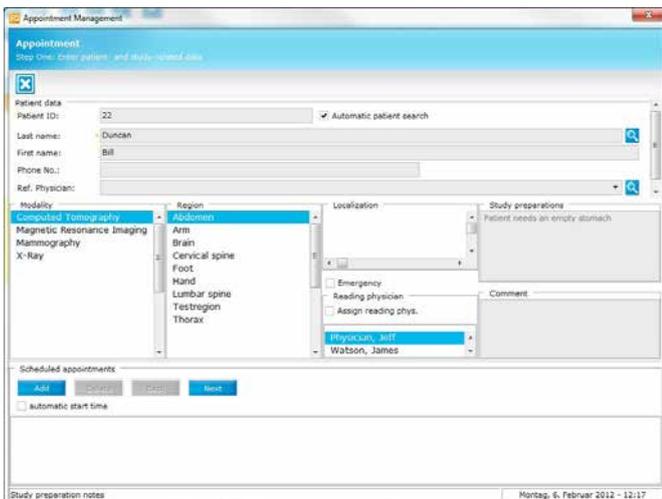
It offers a general overview as well as various views by time frame, devices or modalities - including combinations of them - or appointment printing.



The **electronic medical record (EMR)** contains all patient information such as previous visits, insurance information and scanned documents.

An overview of the patient history is presented in a tree view. The complete EMR data can be found in a table, which can also be filtered by date and time.

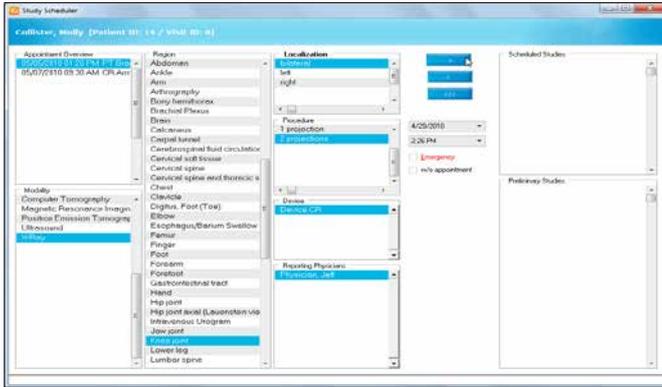
All relevant observations regarding the examination or special care for the patient can be recorded as text notes by the front desk staff if required, and can be reviewed by the staff in the following stages.



Any additional information for the patient, for example to arrive on an empty stomach, can be entered in the **Study Preparation Notice**.

This reduces the amount of paperwork during scheduling, keeps the reception area free of clutter and adds to improved patient service.

# DICOM MODALITY WORKLIST & WORKFLOW

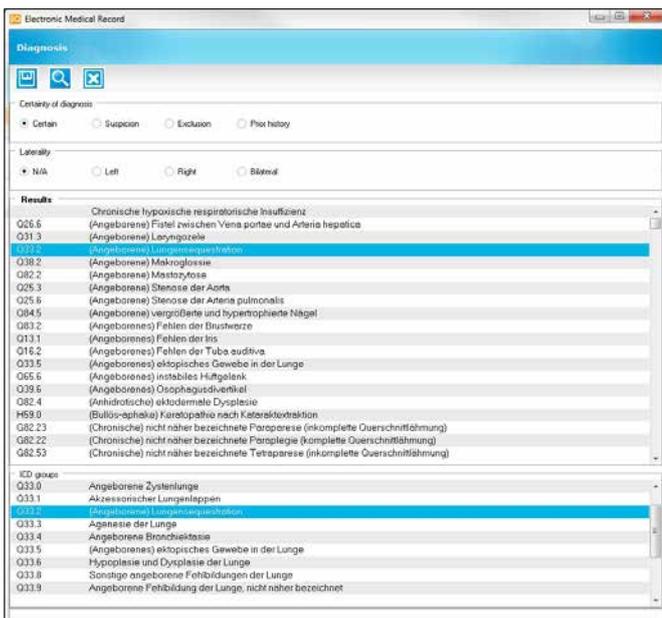


The **iQ-RIS study scheduler** electronically provides details of patient information and scheduled procedures to the DICOM modalities as a DICOM modality worklist, avoiding the need to spend time retyping such information and minimizing the inherent risk of error.



The **operator workflow list** displays patient information and the scheduled procedures at a glance (e.g. waiting time, indication, referring physician, medical alerts and history).

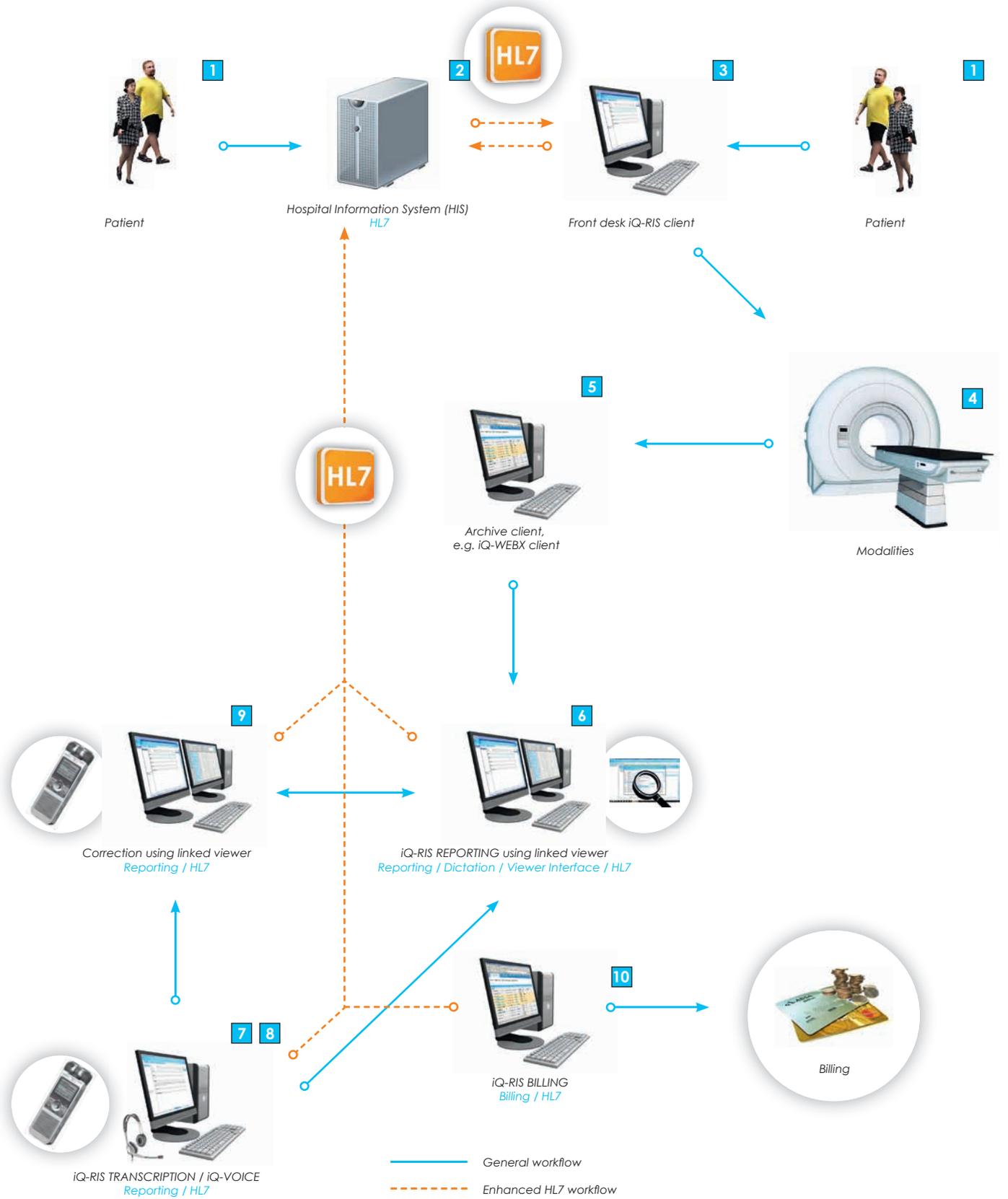
iQ-RIS offers customizable workflow lists. Sorting lists by column, creating a new list or defining the window that should be displayed upon double-clicking on an entry - all of these features lead to increased flexibility.



The **ICD-10 list** offers quick a choice of disease per case or study. Simply choose one of the predefined codes containing a brief explanation from the drop down list.

This newly added feature adds not only convenience but also ensures consistency.

# iQ-RIS WORKFLOW



## 1 Patient arranges appointment

Patient makes an appointment, patient data is entered in iQ-RIS.

## 2 Local HIS sends patient data

HL7 connector facilitates communication between local HIS and iQ-RIS (optional)

## 3 Patient arrives

Front desk staff confirms patient arrival. Automatic generation of the respective modality worklist

## 4 Study is performed

iQ-RIS provides a virtual waiting room, which shows patient information, study data, waiting time and CAVE entries (medical warnings)

## 5 Study is stored

Modality sends study to iQ-WEBX (PACS); examination is marked as complete in iQ-RIS

## 6 Image data is forwarded to workstations (optional)

a) iQ-RIS automatically opens appropriate studies on iQ-VIEW station (interface included) or b) on any other DICOM Viewer (optional module)

## 7 Reporting possibilities (optional)

iQ-RIS DICOM Structured Report module; dictation using integrated dictation or voice recognition software

## 8 Report Transcription (optional)

Support of online transcription, remote transcription and transcription service providers

## 9 Report correction

Written report can be corrected and validated with iQ-RIS, if applicable

## 10 Billing (optional)

Study can be invoiced in iQ-RIS at any point of the workflow



## SCHEDULER/ WORKFLOW

- Creation and management of appointments and grouped procedures
- Go-to-date function to easily find appointments
- Customizable views (time frame, devices, modalities or combinations of them)
- Flexible workflow lists - defining column order or new lists
- Drag-and-drop function for visual editing of appointments
- Creation/alteration of study data from scheduled data
- Various print options: any lists, individual appointments, workflow lists
- Easy-to-use workflow management tool with all relevant information visible at first sight (e.g. waiting time, indication, referring physician, medical alerts, guardian)
- Recording person in charge for each step of the workflow
- Appointment notes can be customized with free text, logo and required study preparations (e.g. empty stomach) (NEW!)
- Vetting list to review procedure requests from the HIS
- Simplified transcription by using an enhanced dictation workflow
- Automatic creation of DICOM worklists for an unlimited number of devices
- Individually configurable device, modality and study status lists

## EMR

- Index card system for quick and easy tracking of an unlimited number of records
- Unlimited number of user-defined filters (max 5 for simultaneous viewing)
- ICD-10 list offering quick choice of disease per case or study
- Support of CAVE (medical warnings) and medication entries
- Individually categorized text notes and hyperlinks
- Drag & drop import of multimedia documents and folders



# iQ-RIS FEATURES

## EMR

- Direct scan of any document to EMR (via TWAIN interface)
- Radiation exposure and material monitoring journal
- Assignment of responsible person/guardian
- Display of pregnancy and allergy status
- Adaptation of EMR to hospital environment (fields added for study-based indication, second indication, referring/requesting/reporting/attending physician)
- Increased EMR performance to quickly open medical records independently of the total data volume in the database (NEW!)

## MASTER DATA

- Centralized DICOM nodes, management of institutions, user profiles and referring physicians for multiple sites
- Management of modality, localization, procedure, body part, device and medication
- Password-secured user rights, group rights
- Management of billing codes, prices and health insurances

## COMMUNICATION

- Integrated DICOM WORKLIST server for an unlimited number of nodes
- DICOM C-MOVE
- Document export, e.g. emailing scanned referrals to insurance company
- Support of third party viewers, e.g. Syngo.plaza (SIEMENS) and Pacs Viewer (INFINIIT) (NEW!)

## DATABASE

- Performance support of up to 1 million procedures
- True multisite RIS database with defined access to system, master and dynamic data
- Module for extensive data import (XML based)
- Easy to configure, user-defined input fields
- Central user access management

## LANGUAGES

- English, German, Spanish (others upon request)



# OUR COMPANY AT A GLANCE

IMAGE Information Systems is an international company group with offices in Germany, USA and India, which offers complete, user friendly and cost-effective medical imaging solutions.

More than 10,000 satisfied clients all over the world benefit from our state-of-the-art products for PACS, RIS, X-ray solutions, 3D processing and teleradiology.

We have pioneered several innovations in the market:

- We have introduced MED-TAB, the first DICOM-calibrated portable display for medical image analysis
- Our iQ-ROUTER supports virtually all DICOM image formats and transfer syntaxes in data transmission
- DICOMReader has the highest available read-in rate of patient media, ensuring compatibility with almost all available imaging modalities and vendors

IMAGE Information Systems provides the second largest digital imaging user forum on earth, enabling users to share knowledge and best practice.

To learn more about us and our products, please visit our website.

[www.image-systems.biz](http://www.image-systems.biz)

## OUR PRODUCTS FOR YOUR IMAGING NEEDS

**iQ-SYSTEM PACS**

**iQ-RIS**

**MED-TAB™**

The full featured, reliable and affordable PACS

The smooth radiology information system

Superior portable image analysis



*Stamp of sales partner*



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