



RIS

THE SMART RADIOLOGY WORKFLOW MANAGER

WHO'S NEXT?



VERSION 3.0

OPTIMAL MANAGEMENT OF THE RADIOLOGY WORKFLOW



iQ-RIS is a flexible radiology information system, which can be easily 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 of the radiological 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 most basic version of iQ-RIS includes a number of valuable features to optimally manage the radiological 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).

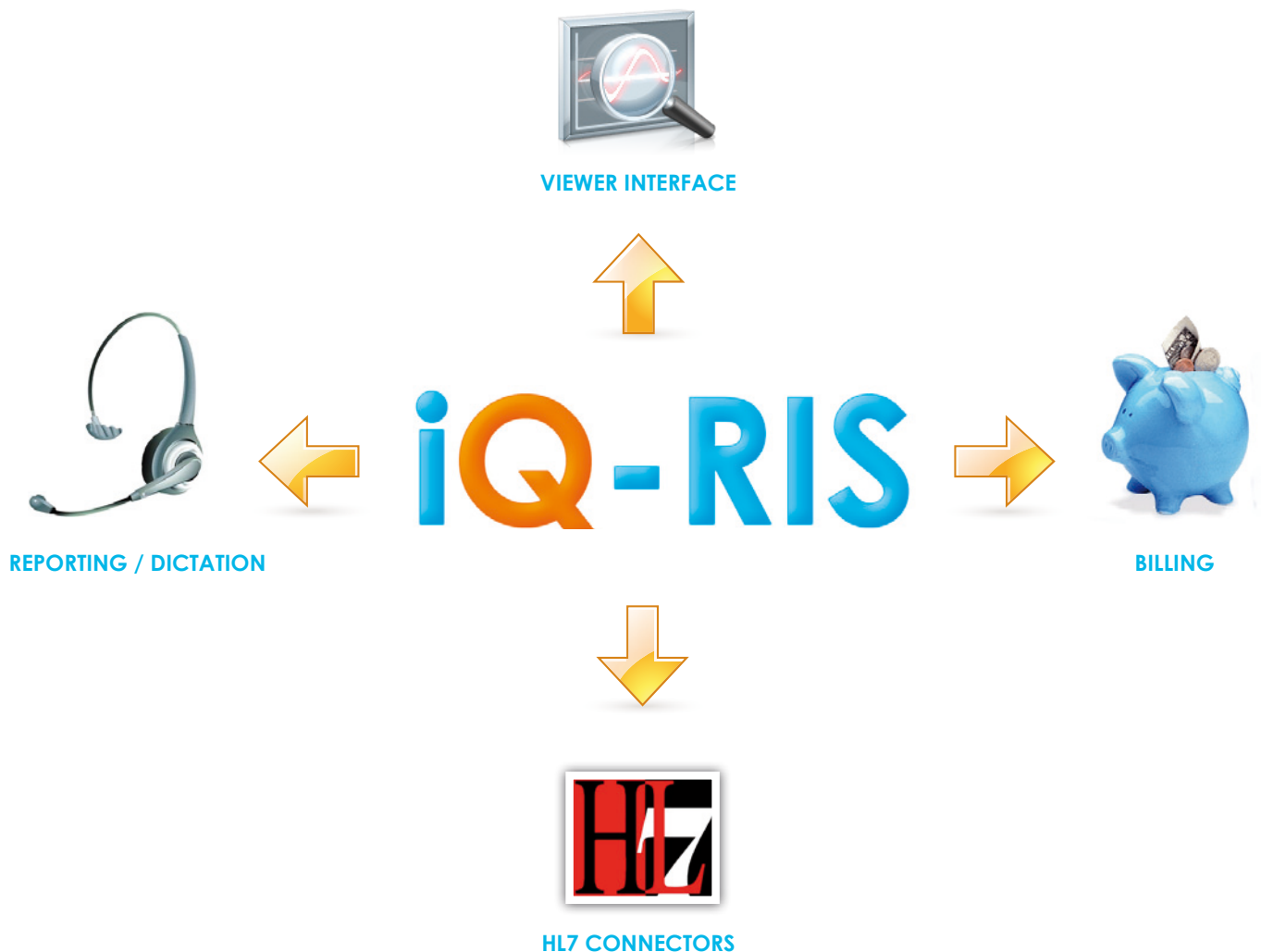
Due to the Workflow module, which provides a reliable overview of all scheduled procedures, key data of every scheduled study is easily accessible at a glance.

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

- iQ-RIS REPORTING/DICTATION
DICOM structured reports / electronic dictation and transcription of reports
- iQ-RIS VIEWER INTERFACE
Interface for a selected DICOM Viewer

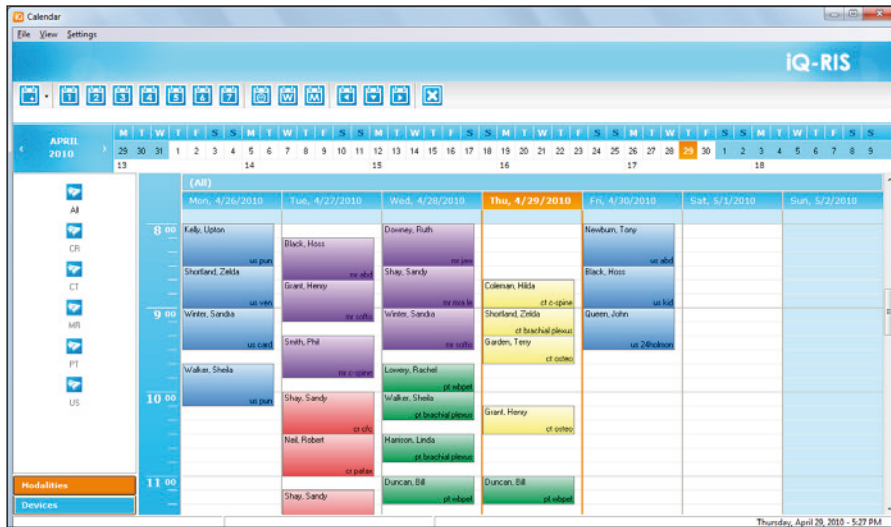
- iQ-RIS HL7 CONNECTORS
Integration with existing information systems like HIS and PACS for shared access to information
- iQ-RIS BILLING
Billing of medical procedures to insurance companies or to health service providers

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



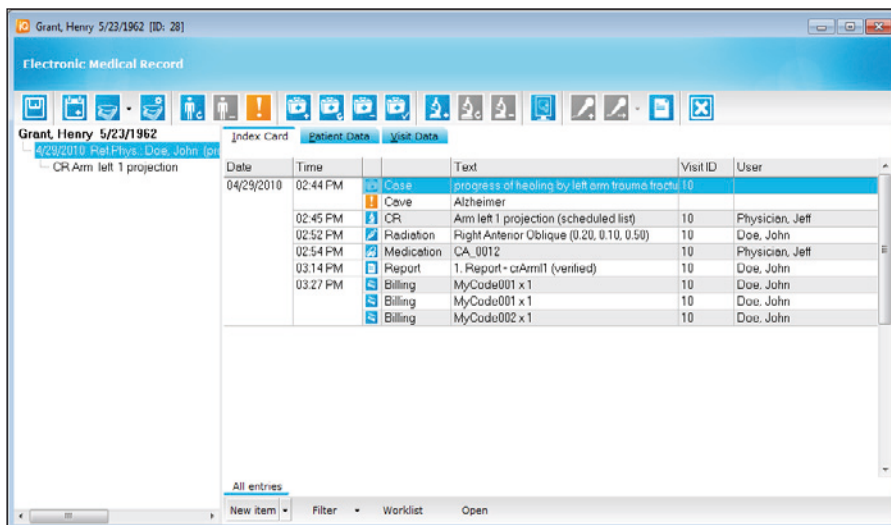
THE SOLUTION CAN BE SO SIMPLE

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.

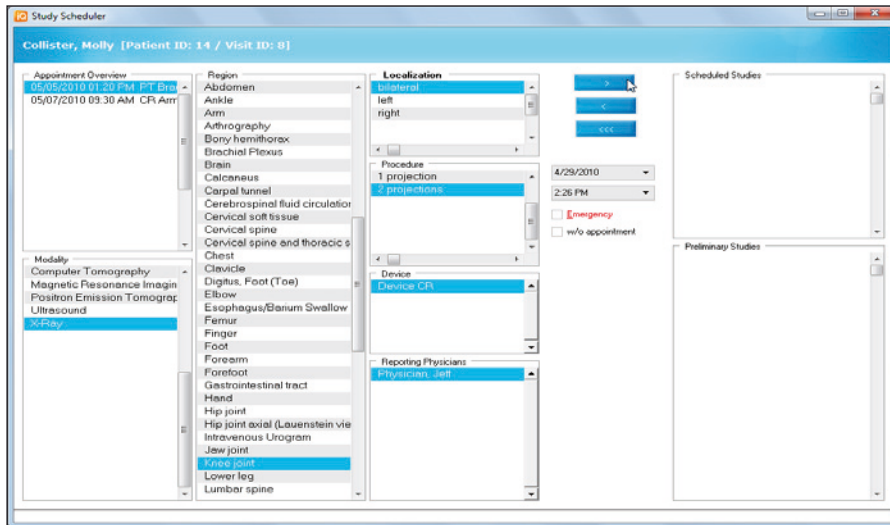


The [electronic medical record \(EMR\)](#) contains all patient information such as previous visits, insurance information and scanned documents.

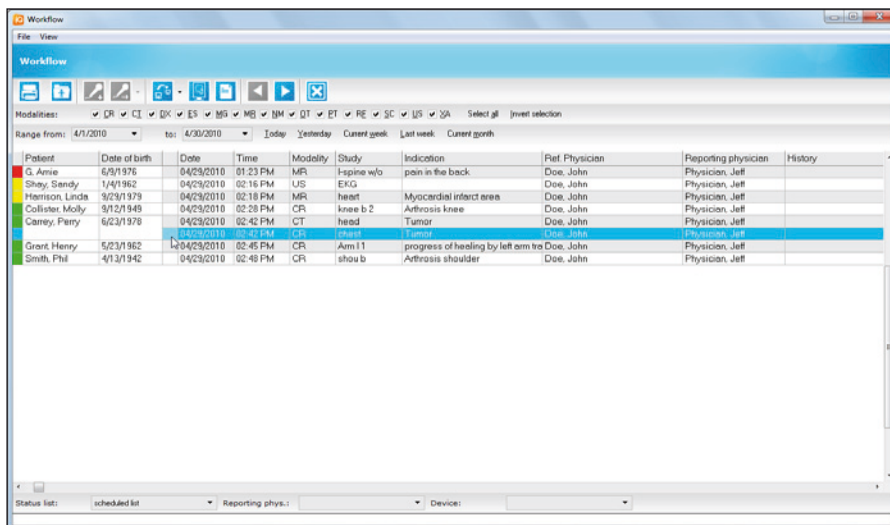
An overview of the patient history is presented in a tree view. The complete EMR data can be found in a table, which can also be filtered by date and time.

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.

DICOM MODALITY WORKLIST & WORKFLOW

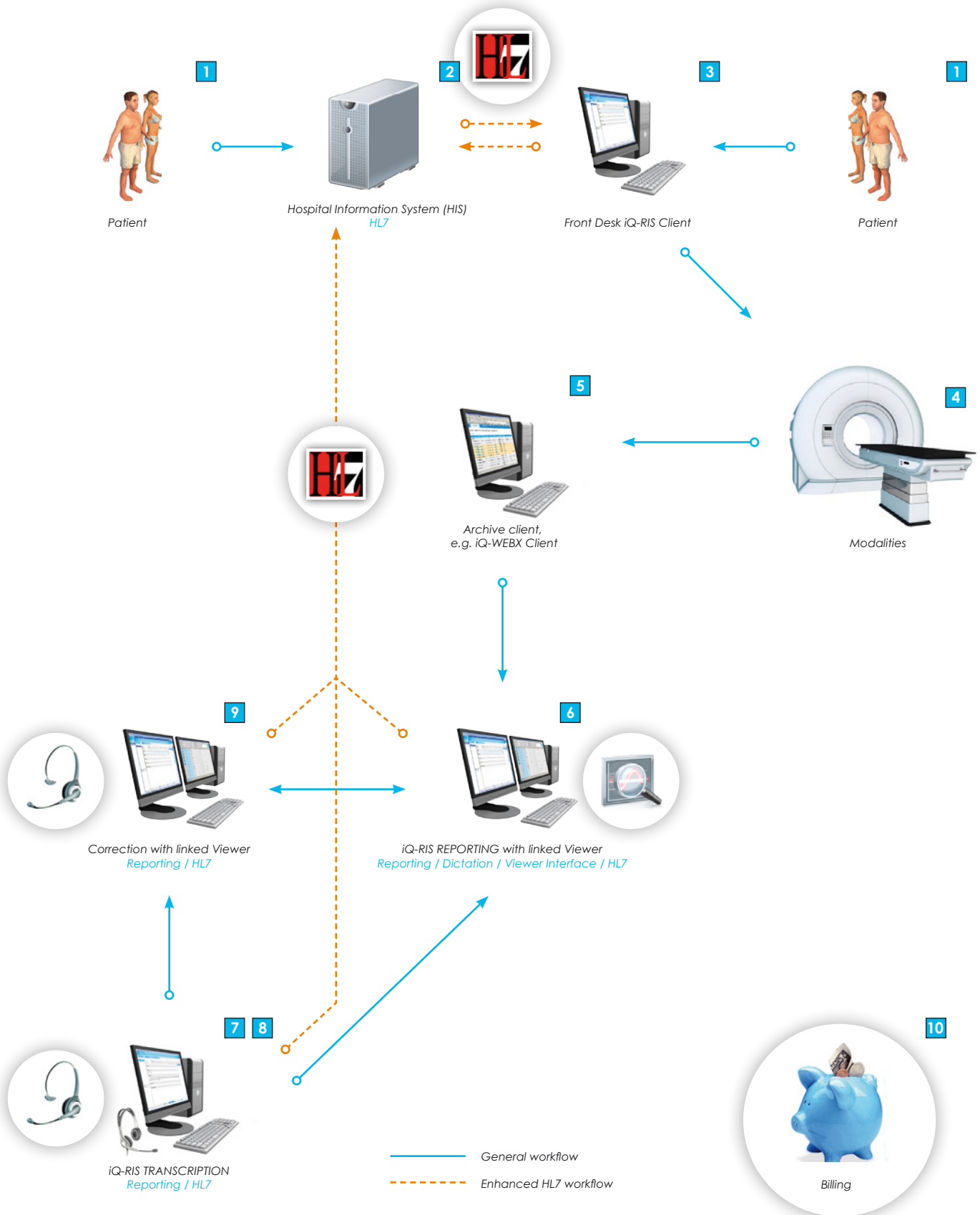


The *iQ-RIS study scheduler* provides the DICOM modalities the details of patient information and scheduled procedures electronically as a DICOM modality worklist, avoiding the need to spend time retyping such information and minimizing the inherent risk of error.



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 WORKFLOW



iQ-RIS WORKFLOW

1 Patient arranges appointment

Patient calls or makes an appointment directly at the hospital. 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's 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 NCH software, voice recognition

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



iQ-RIS FEATURES

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)
- 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)
- *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)
- Support of cave and medication entries
- Individually categorized text notes and hyperlinks
- Drag & drop import of multimedia documents and folders
- 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)*

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, optional group rights
- Tariff manager, health insurance and code schemes tool

COMMUNICATION

- Integrated DICOM WORKLIST server for an unlimited number of nodes
- DICOM C-MOVE

DATABASE

- Performance support of max. 100 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 (IHE, HIPAA)

LANGUAGES

- English, German, Spanish, French

SYSTEM REQUIREMENTS

HARDWARE & SOFTWARE REQUIREMENTS

	SERVER MINIMUM	SERVER (RECOMMENDED)	CLIENT MINIMUM	CLIENT (RECOMMENDED)
OS:	Windows 2003 Server, XP PRO	Windows 2008 Server	Windows XP PRO	Windows 7 PRO 32-bit
CPU:	Pentium, 1 GHz	Pentium, 2 GHz	Pentium, 1 GHz	Pentium, 1,5 GHz
RAM:	1024 MB	2048 MB	512 MB	1024 MB
HDD:	80 GB NTFS	RAID > 160 GB NTFS	10 GB	80 GB
Network:	10 Mbit/s	100 Mbit/s	1 Mbit/s (if local RIS client)	100 Mbit/s
Graphics:	16-bit color output	24-bit color output	16-bit color output	24-bit color output
Display:	1280 x 800 pixels	1440 x 900 pixels or more	1280 x 800 pixels	1440 x 900 pixels or more
Database:	Postgre SQL 8.2.14	Postgre SQL 8.2.14		
iQ-VIEW:			Version 2.5.0	Version 2.6.0 or higher
MS Word:			Version 2000 Macro security level-low	Version 2007 or higher Macro security level-low
Hardware:		Dell hardware		Dell hardware

OUR PRODUCTS FOR YOUR IMAGING NEEDS

- iQ-SYSTEM PACS**
- iQ-NUC**
- iQ-RIS**
- IMAGE DISPLAYS**
- iQ-CR ACE**

The full featured, reliable and affordable PACS
 Complete package for nuclear image processing
 The smooth radiology information system
 Medical diagnostic displays
 Efficiency in CR

