

RIS THE SMART RADIOLOGY WORKFLOW MANAGER

WHO'S NEXT?



iQ-RIS

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.

<image>

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

REPORTING / DICTATION

- 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

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iQ-RIS contains a comprehensive and user-friendy **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.

Grant, Henry 5/23/1962 [ID: 28]								•
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arant, Henry 5/23/1962 4/29/2010 RetPhys. Doe, John (Index Card	Patient D	ata	Visit Data				
CR Arm left 1 projection	Date	Time	1		Text	VisitID	User	
	04/29/2010	02:44 PM	17	Case :	progress of healing by left arm trauma fracti	10	1	
				Cave	Alzheimer			
		02:45 FM	1	CR	Arm left 1 projection (scheduled list)	10	Physician, Jeff	
		02:52 PM 02:54 PM 03:14 PM		Radiation	Right Anterior Oblique (0.20, 0.10, 0.50)	10	Doe, John	
				Medication		10	Physician, Jeff	
				Report	1. Report - crArml1 (verified)	10	Doe, John	
		03:27 PM		Billing			Doe, John	
			2	Billing	MyCode001 x 1	10	Doe, John	
				Billing	MyCode002 x 1	10	Doe, John	
	All entries	Filter	-	Worklist	Open			

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

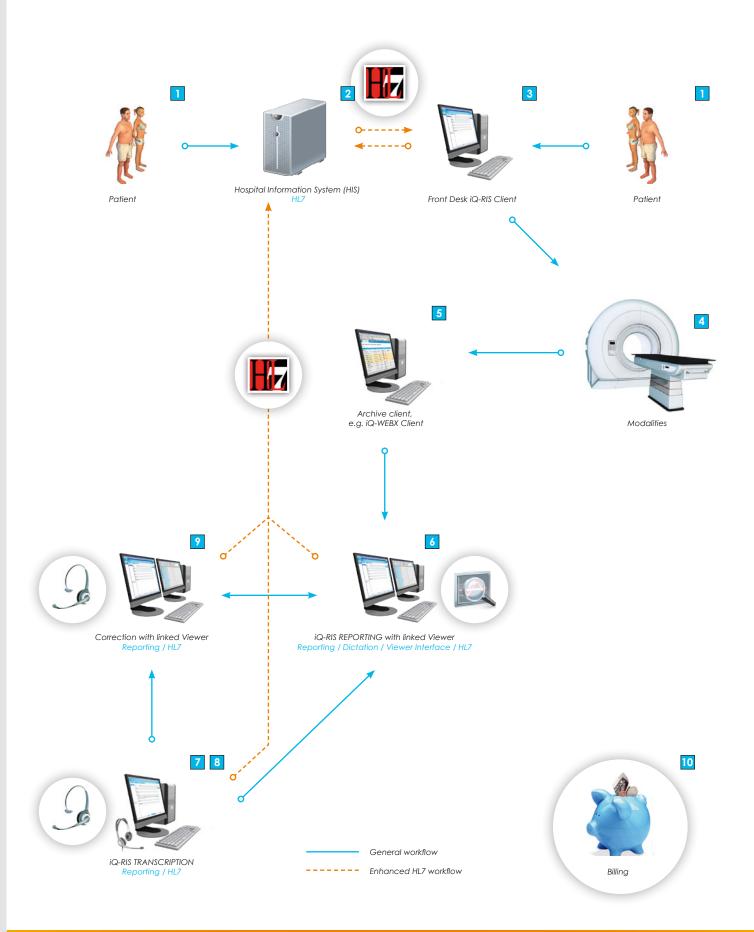
Appointment Overview	Region	Localization		- Scheduled Studies	
05/05/2010 01:20 PM PT Brok		bilateral	-	500000000000	
05/07/2010 09:30 AM CR Am	Ankle	left			
	Arm	right			
	Arthrography		ecc		
1	Bony hemithorax	· 🗆 🔸	-		
	Brachial Plexus Brain	Procedure			
	Calcaneus	1 projection	· 4/29/2010 ·		
	Carpal tunnel	2 projections:	2:26 PM -		
	Cerebrospinal fluid circulation	the state of the s	2.26194		
	Cervical soft tissue		Emergency		
	Cervical spine		w/o appointment		
-	Cervical spine and thoracic s			Preliminary Studies	
Modality	Chest	4		ricentary product	
Computer Tomography +	Clavicle	Device			
Magnetic Resonance Imagin	Digitus, Foot (Toe)	Device CR	-		
Positron Emission Tomograp	Elbow				
Jitrasound	Esophagus/Barium Swallow Femur				
K-Ray	Finger				
	Foot		-		
	Forearm	Reporting Physicians			
	Forefoot	Physician Jett	-		
	Gastrointestinal tract				
	Hand				
	Hip joint				
=	Hip joint axial (Lauenstein vie				
	Intravenous Urogram				
	Jaw joint Knee joint				
	Lowerleg				
	Lumbar spine				

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

nge from: 4/1/2 Patient	Date of birth	Date	Time	Modelity	Study	Indication	Ref. Physician	Reporting physician	History	
G. Amie	6/9/1976	04/29/2010	01:23 PM	MR	I-spine w/o	pain in the back	Doe, John	Physician Jeff		
Shey, Sendy	1/4/1962	04/29/2010	02:16 PM	US	EKG		Doe, John	Physician, Jeff		
ferrison, Linda	9/29/1979	04/29/2010	02:18 PM	MR	heart	Myocardial infarct area	Doe, John	Physician, Jeff		
alister. Molly	9/12/1949	04/29/2010	02:28 PM	CR	knee b 2	Arthrosis knee	Doe, John	Physician Jeff		
arrey, Perry	6/23/1978		02:42 PM	CT	head	Tumor	Doe, John	Physician, Jeff		
		04/29/2010	02:42 PM	CR	chest	Tumor	Doe John	Physician Jet		
Grant, Henry	5/23/1962	204/29/2010	02:45 PM	CR	Arm I 1	progress of healing by left a		Physician, Jeff		
mith. Phil	4/13/1942	04/29/2010	02:48 PM	CR	shou b	Arthrosis shoulder	Doe, John	Physician Jett		

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

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

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)
	- Controlized DICOM pedag in an appropriate of institutions, user profiles and referring
MASTER DATA	 Centralized DICOM nodes, management of institutions, user profiles and referring relevisions for multiple sites
	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
	Tam manager, nearministrance 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

	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	e 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

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