# VET | RIS

## THE RADIOLOGY INFORMATION SYSTEM FOR VETERINARIANS

# *WHO'S NEXT?*

# THE ONLY RIS THAT UNDERSTANDS VETERINARY NEEDS

Its innovative and easy-to-use interface makes the management of the veterinary radiology workflow easy and fast.

Many veterinary practices or hospitals provide comprehensive image diagnostics. VET-RIS enables any veterinary facility to properly manage their master data as well as to correctly administer their devices, procedures and services.

As an integral system, VET-RIS covers the whole radiological process from the front desk through the device worklist management to the creation of reports and image management. VET-RIS offers the most appropriate tools in every case.

Many diagnostic devices do not support veterinary tags. However, VET-RIS can make even those devices compatible with all veterinary standards in conjunction with VET-WEBX.

VET-RIS integrates a comprehensive, dynamic and easy-to-use calendar with a similar user interface like popular electronic calendars, optimized for the management of veterinary appointments. Among its useful features are several views relating to either time period, devices or modalities, including combinations of them,

as well as the Go-to-date function or the possibility to create appointment blocks combining multiple appointments in one step.

The proper management of patient histories, external documents or any patient associated data is crucial for any veterinary procedure. For this reason, VET-RIS includes even an electronic medical record system, which allows the accurate management of any data like patient visits or medications in any audiovisual format.

By default, VET-RIS includes the most important fields for registering veterinary patient information such as breed, species, size, weight, color, etc. as well as the required data of their owners or keepers. Of course, those entries can be recorded in DICOM format.

VET-RIS also offers a module for the management of the animal's location, e.g. box number and stall name.

The RIS administrator may add any additionally required fields himself without the need of further development.

The billing tool with its flexible multi-dimensional database can be easily adapted to the requirements in the field of veterinary medicine. It offers all required features to write individual invoices and to transfer them on paper or electronically to the owners or keepers.

Doctors may dictate reports digitally and transmit dictations to local or remote typists, use voice recognition systems in many languages or take advantage of the innovative structured report assistant in VET-RIS PRO. VET-RIS supports various report formats like DICOM structured reports, XML reports or reports in a classic Word format. Users may configure individual templates e.g. for locomotive diagnostics. Reports can be printed, stored on optical media for distribution, optionally faxed or handed over automatically to the VET-WEBX web portal for an auto-

matic electronic report and study distribution to referring veterinarians and owners. A special security feature included in VET-WEBX allows owners and referring veterinarians to access the studies during their time frame of responsibility, even if the ownership or general doctor changes. Furthermore, there is an optional tool called Speech Technology Processing (STP)* which interfaces with a transcription service provider in order to outsource the whole transcription and report distribution process. Creating reports has never been that fast and easy!

VET-RIS can be integrated with most PACS systems available on the market. There is a well-established inte-

gration into VET-SYSTEM PACS where VET-RIS organizes the workflow and even hanging protocols.

The user management ensures an easy administration of user rights.

The database of VET-RIS comes with an extended structure consisting of three modules for system data, master data and dynamic data. This way, it is possible to run big multi-center RIS networks with an excellent system performance. Additionally, the system management can be used centralized.
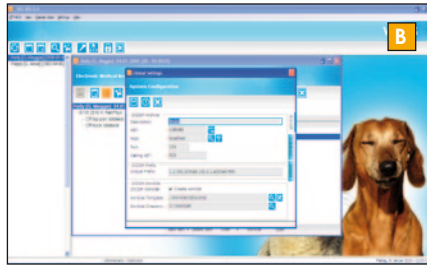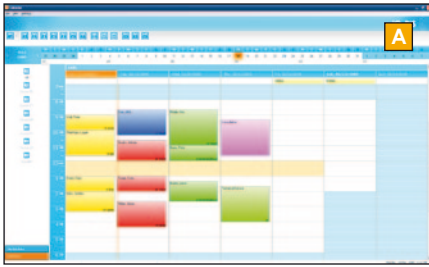
Ask your local authorized dealer for an individual VET-RIS presentation or trial.

# *THE BEST FOR VETS*

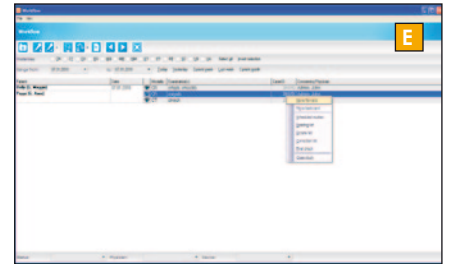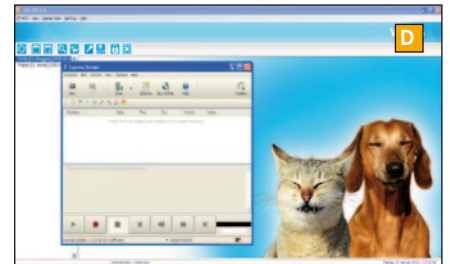* A prior and independent subscription to this service is required

**A** The scheduler provides an easy and complete overview of the appointments

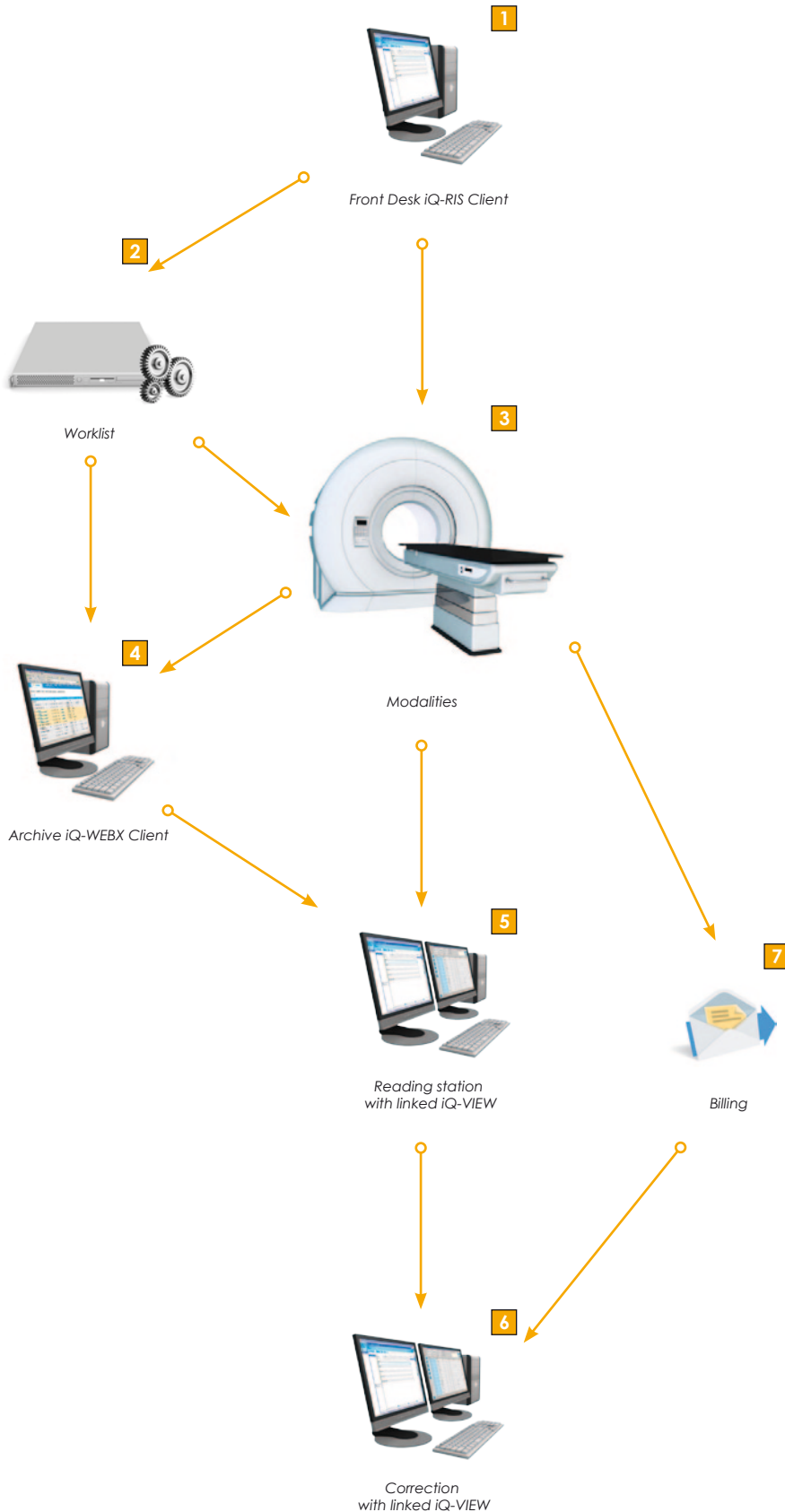**B** The System Administration tool allows the centralized configuration of the most important settings

**C** Specific fields for veterinary records are already included

**D** The voice dictation tool is easy to integrate

**E** Customizable workflow management

# VET-RIS WORKFLOW



Front Desk iQ-RIS Client

Worklist

Modalities

Archive iQ-WEBX Client

Reading station
with linked iQ-VIEW

Billing

Correction
with linked iQ-VIEW

**1** Animal patient arrives
Acquisition of patient data in VET-RIS, automatic generation of the respective worklist

**2** Patient data is stored in worklist
VET-WORKLIST provides consistent patient data for the modality; automatic postprocessing ensures consistency even when the modality does not support veterinary tags

**3** Patient is examined
VET-WEBX shows previous images

**4** Patient data is stored
VET-WEBX stores demographic studies and matches them with study image data

**5** Image data is sent to viewing stations
VET-RIS automatically opens appropriate studies on VET-VIEW station

**6** Report is corrected
Written report can be corrected and validated with VET-RIS

**7** Billing
Study is invoiced using VET-RIS

# *VET-RIS FEATURES*

**SCHEDULER**
- Management of appointments
- Creation of appointment blocks for the combination of several procedures
- Scheduling of additional office appointments
- Go-to-date function, for the easy finding of appointments
- Customizable views (per time period, devices, modalities, or combinations of them)
- Optimization of the device's workload
- Drag-and-Drop function for visual editing of appointments
- Tool for the preparation of studies

**VETERINARY DATA**
- Special fields for the administration of animals
- Registration of Breed and Species (according to DICOM Standards)
- Registration of characteristics like color, size, weight, ID, etc. (any individual fields may be added)
- Fields for owner's/keeper's data

**FRONT DESK**
- Easy registration of new patients and cases
- Direct approval of scheduling data based on appointments
- Various print features (lists, notes, reports, etc…)
- Individual forms e.g. for exam preparation, contrast media etc.
- Direct TWAIN scan interface for any documents

**WORKFLOW**
- Easy-to-use workflow management tool
- Automatic creation of DICOM worklists for an unlimited number of devices
- Individually configurable device, modality and study status lists
- Process and study documentation

**REPORTING**
- Manual report writing and editing
- Optional digital voice dictation for local or remote transcription
- Optional voice recognition in most languages (language list on request)
- Reports as DICOM Structured Reports, Word or XML Reports
- VET-RIS controlled opening of studies in VET-VIEW/PRO and VET-WEBX (other compatible viewers upon request)
- Optional outsourced transcription and report workflow using Speech Technology Processing

**TYPIST**
- Optional digital dictation system and transmission to local or remote typists connected by speech files, ftp or email
- Support for Express Scribe food pedals
- Microsoft® Office Word integration

**BILLING**
- Support of tariffs and billing codes of many countries
- Coding schemes separated to tariffs, chapters, codes, valuations
- Fixed and macro calculated billing values
- Billing rules and regulations, Standard and individual billing
- Issue of invoices in print or digital form (XML)

# VET-RIS FEATURES

**MASTER DATA**
- Centralized Institution's management
- Powerful centralized management of user profiles
- Management of referring physicians
- DICOM administration tool
- Device management tool, Procedure management tool
- Billing code management
- Health Insurance management tool

**ELECTRONIC MEDICAL RECORD**
- Index card for simplified record tracking
- Support of cave entries
- Diagnosis entries and classification based on ICD 9 or 10
- Individual categorized text notes
- Multimedia document management system including dictates
- Drag and Drop hyperlinks
- Direct access to any studies and reports
- Radiation exposure monitoring journal
- Simple material management support

**COMMUNICATION**
- DICOM WORKLIST Server for an unlimited number of nodes
- Optional HL7 module , Optional Digital report fax

**DATABASE**
- Separated databases for system, master and dynamic data
- XML based script language for individual database extensions
- User-defined input fields, Individual code based lookup boxes
- Central patient data storage and user access management (IHE, HIPAA)
- Ready for multicenter use

**LANGUAGES**
- English, French, German, Spanish

**LICENSE MANAGEMENT**
- Per server (5 clients included)
- Optional package for 5 additional clients

# VET-RIS PRO FEATURES
### IN ADDITION TO VET-RIS FEATURES

**REPORTING**
- Creation and modification of text templates
- Context-sensitive report macros

**COMMUNICATION**
- DICOM pre-fetching
- DICOM C-MOVE

# SYSTEM REQUIREMENTS

| | SERVER MINIMUM | SERVER RECOM. | CLIENT MINIMUM | CLIENT RECOM. |
|---|---|---|---|---|
| **OS:** | Windows 2000 Server, 2003 Server, XP PRO | Windows 2003 Server | Windows 2000, XP PRO, Vista | Windows XP PRO |
| **CPU:** | Pentium, 1 GHz | Pentium, 2 GHz | Pentium, 1 GHz | Pentium, 1,5 GHz |
| **RAM:** | 256 MB | 512 MB | 256 MB | 512 MB |
| **HDD:** | 80 GB NTFS | RAID > 160 GB NTFS | 10 GB | 80 GB |
| **Network:** | 10 Mbit/s | 100 Mbit/s | 1 Mbit/s | 100 Mbit/s |
| **Graphics:** | 16 bit color output | 32 bit color output | 24 bit color output | 32 bit color output |
| **Display:** | 1024 x 768 pixel | 1024 x 768 pixel or more | 1024 x 768 pixel | 1280 x 800 pixel or more |
| **Database:** | Postgre SQL 8.2 | Postgre SQL 8.2 | | |
| **iQ-VIEW:** | | | Version 2.5.0 | Version 2.5.0 or higher |
| **MS Word:** | | | Version 2000 Macro security level-low | Version 2000 or higher Macro security level-low |
| **Hardware:** | | Dell hardware | | Dell hardware |

# OUR SOLUTIONS FOR YOUR IMAGING NEEDS

**VET-VIEW**     The veterinarians' radiology reading station
**VET-STITCH**     Tool for merging several veterinary medical images
**VET-WEBX**     Web-based veterinary PACS
**VET-RIS**     The radiology information system for veterinarians
**VET-RIS EQUINE**     The radiology information system specialized in horses