Digital image processing with **dicomPACS® vet**
**dicomPACS® vet**

Diagnostic software

- Full functionality of diagnostic software for all workstations in your practice (no "light" version)
- User friendly, clearly laid out structure, relatively little training required, short familiarisation periods
- Individual customisation of the user surface to your subject area and requirements
- Flexible allocation of short cut keys for many functions enabling the user to work fast without a mouse
- Parallel processing (possibility of continuing work while, e.g., a CD is being burnt)
- Permanent online availability of all images and data in the network - no necessity to store old images on CD
- Perfect memory - repeated opening of an image with all previous markings and settings, incl. zoom and alignment
- Parallel diagnosis of several patients is possible by opening any number of programme windows without loss of speed (depending on the size of RAM)
- Import of any external documents (no additional module required)
- Installation under Windows, UNIX, LINUX or Apple Macintosh
- Optimal data security, speed and compatibility due to standardised SQL database technology
- All images and documents are stored in the international DICOM standard
One of the most modern and high quality image processing systems in veterinary medicine.

With **dicomPACS® vet**, you can make paperless veterinary medicine a reality.

Any images (X-rays, CT, MRI, ultrasound, endoscopy, digital camera etc.) as well as any type of document (diagnostic findings, patient histories, faxes) are stored in a digital patient file by means of **dicomPACS® vet** and can be accessed immediately by a mouse click.

Our well thought-out archive and backup solutions will guarantee you fast access to all data, observing the highest security standards in accordance with the relevant international guidelines in the field of human medicine. **dicomPACS® vet** may also be integrated easily into all common administration systems.

**dicomPACS® vet** software includes the acquisition, processing, transfer and archiving of image material.

Since the software was designed and developed in close cooperation with specialist doctors, it will provide you with an easy to operate, well thought out instrument for daily diagnoses.

Boasting more than 5,000 installed workstations on a national and international level, the system has proven itself over and over again.

**dicomPACS® vet** manages simple image processing requirements just as efficiently and excellently as complex radiological networks (PACS).
Screens

**Magnifying glass with filter**
For optimised display of bone structures in thick soft tissue.

**HD measuring in dogs**
Insertion of all relevant lines and angles with a click.

**Video module**
Single image and video sequence recording of standard video signals.

**Processing of CT and MRI series**
Support for slice image functions such as MIP and MPR.

**Prosthesis documentation module**
Insertion of the template as an overlay on the X-ray image.

**Web viewer**
Fast and economical access to archived images and diagnosis via internet or intranet.
Our product range

**Medici DR Systems vet**
DR retrofit systems for your existing X-ray system to operate without cassettes

**Leonardo DR Systems vet**
Compact suitcase systems for mobile and portable X-ray imaging - all the necessary components are securely and compactly housed in a suitcase

**Amadeo DR systems vet**
Amadeo DR complete X-ray systems for digital X-ray imaging without cassettes - complete tailor made solution for you

**Divario CR systems vet**
Digital X-ray imaging with normal cassette handling

**Conventional X-ray Equipment**
High frequency X-ray units for portable X-ray, trolley stands and cassette holder, X-ray tables and wall brackets
In spring 2007 we took the decision to change over to **dicomPACS®vet** by OR Technology. The reasons for the move were the increased demands on digital image processing and archiving. At the same time it was important to us that all staff members should be able to use the new system without difficulty. Moreover, we were looking for a software that would continue to develop dynamically and that could be adapted to individual needs. In addition, the newly acquired software should be compatible with the existing image archive and hardware.

The changeover from the old to the new software was prepared so professionally by the OR Technology staff that the periods in which our data was inaccessible were extremely short.

Having used **dicomPACS®vet** for over six months there is a feeling of general satisfaction among our staff. After a brief period of learning how to use **dicomPACS®vet** they were soon able to incorporate it into their daily routine without any limitation.

With regard to the particular features of this very comprehensive software, a few special aspects should be pointed out:

**Compatibility with various image sources:**

When deciding on a comprehensive digital archive, it was important to us that it would be able to capture and archive the output of all existing imaging devices in our clinic without any problems. So far **dicomPACS®vet** has fulfilled these expectations without fail. At present, our everyday work includes the following image sources:

a. Digital X-ray (Fuji, XG-1, Profect)
b. MRI (Hallmarq, Standing Unit)
c. Ultrasound (GE Logiq5 expert)
d. Arthroscopy (Olympus)
e. Endoscopy (Pentax CM 3000)

**Patient CD:**

Although many providers supply a patient CD as a matter of course, there are differences with regard to production, the option of displaying images in DICOM 3.0 quality and the usability for the animal owner. All these criteria are perfectly fulfilled by **dicomPACS®vet**.

**Compatibility with the practice management software:**

Since the DICOM worklist functionality is now available, we considered it important that the resulting standardisation of patient identification should work well. Previously, patient identification had to be entered individually into each examination device (X-ray, ultrasound, MRI, endoscopy etc.).

The fact that this was done manually often resulted in errors and spelling mistakes which in turn led to archiving errors and difficulties when trying to find patient files. The new **dicomPACS®vet** software turned out to integrate very well with our patient management system (VETERA by GP) right from the start without posing any problems.

**Pre-purchase examination:**

The latest development of **dicomPACS®vet** proves to be a great help with X-ray examinations and diagnostic reports for pre-purchase examinations. Previously vets often made mistakes in following the X-ray code of practice since they normally prepared reports without being able to consult the comprehensive catalogue and thus forgot or misinterpreted something. The pre-purchase examination module solves this problem for vets.

You are guided through the process of evaluating the exposures in simple and clear steps so that you can then prepare a report, clearly identifying and assigning the relevant information. This report is attached to the standard examination records and permanently filed in the software under the patient’s name. This tool provides an enormous reduction in work and liability risks. Moreover, it is great that the current X-ray Code of Practice (RöLf07) is provided.

Overall, we wish to repeat that we are very happy with the investment and the changeover to **dicomPACS®vet**.

You can find the whole reference report under www.or-technology.com/ --> references