Reference

|Medici DR Systems *vet*

|with *dicomPACS* ® *DX-R* Software
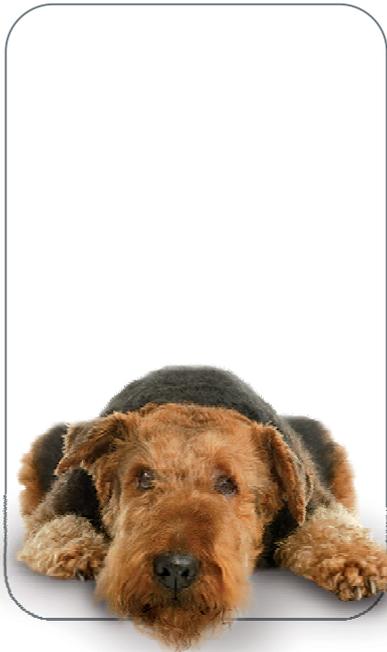|DR Retrofit Systems for the Future

Dr. Johannes Frahm

Veterinary clinic for small animals in Wasbek, Dr. Johannes Frahm Germany

In the "Tierärztliche Klinik für Kleintiere" in Wasbek near Neumünster (Germany) Dr. Johannes Frahm and his team are looking after their patients day and night. The most up-to-date technology is used in all the different sectors of the clinic. These include cardiac ultrasound, monitor surveillance during anaesthesia and odontology, an acknowledged additional qualification of veterinarians.

Since summer 2008, X-ray imaging has been completely direct-digital at the Wasbek veterinary clinic. OR Technology, in cooperation with the firm of "Meva bildgebende Systeme"(Meva imaging systems) installed this X-ray system which was also fitted with a Varian flat panel PaxScan 4030, a 19" touch screen panel PC and the *dicomPACS*®*DX-R* image acquisition and processing software. Archiving, diagnostic evaluation and distribution of images within the clinic is now done by the *dicomPACS*®*vet* image processing system for veterinary medicine.

Dr. Johannes Frahm comments on his reasons for change-over as well as the installation and practical application of the new system:

Console terminal

Dr.med. Frahm

...Reasons for change-over

"We were looking for a new system that would simplify processes in comparison with the previous system of conventional X-ray imaging. An imaging plate cassette system would not have improved the workflow considerably: The cassette has to be inserted and read out and careful handling is very time-consuming. This brought about the decision to acquire a built-in detector plate to make the image available as fast as possible. Now the image is available within seconds, it can be evaluated immediately and viewed in every treatment room. All the images are automatically archived and can be called up quickly and directly from my "Vetera" patient sytem if they are required again at a later stage. In an archive system with paper envelopes it is often the very thing you are looking for that has gone missing. The more X-ray images you take the more frequent these situations are. Now all this won't happen any more.
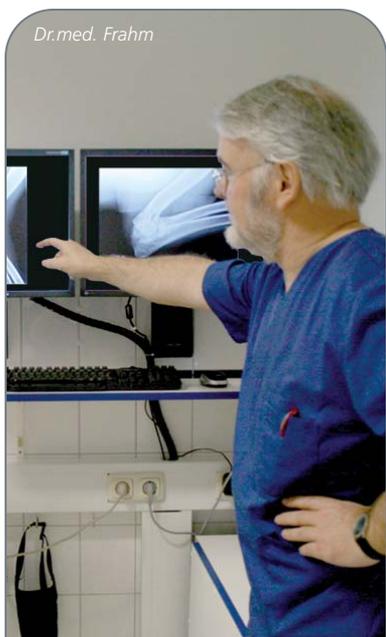
The upgrade made it possible to integrate the existing high-value X-ray unit of the firm of Sedecal into the new direct-digital system. Modifications were not necessary since the raster drawer was simply replaced by the built-in detector."

...installation and remote maintenance

"Installation hardly interfered with the running of the practice. If there was an emergency case in between, we could quickly revert to analog X-ray imaging, the staff of the installing firms being most cooperative. Minor initial problems were quickly eliminated by OR Technology via remote maintenance."

...the *dicomPACS®vet* image processing system

"Diagnostic evaluation at the monitor has been solved optimally and archiving functions very well. In addition, we integrate photos, ultrasound, endoscopy and dental X-ray images into the

PACS. All the images of a patient are available immediately and can be shown to interested owners. This option is often used for explaining the treatment process. C-arm and ultrasound sequences are also suitable for demonstration. This allows owners to understand the nature of the problem and how it was treated."
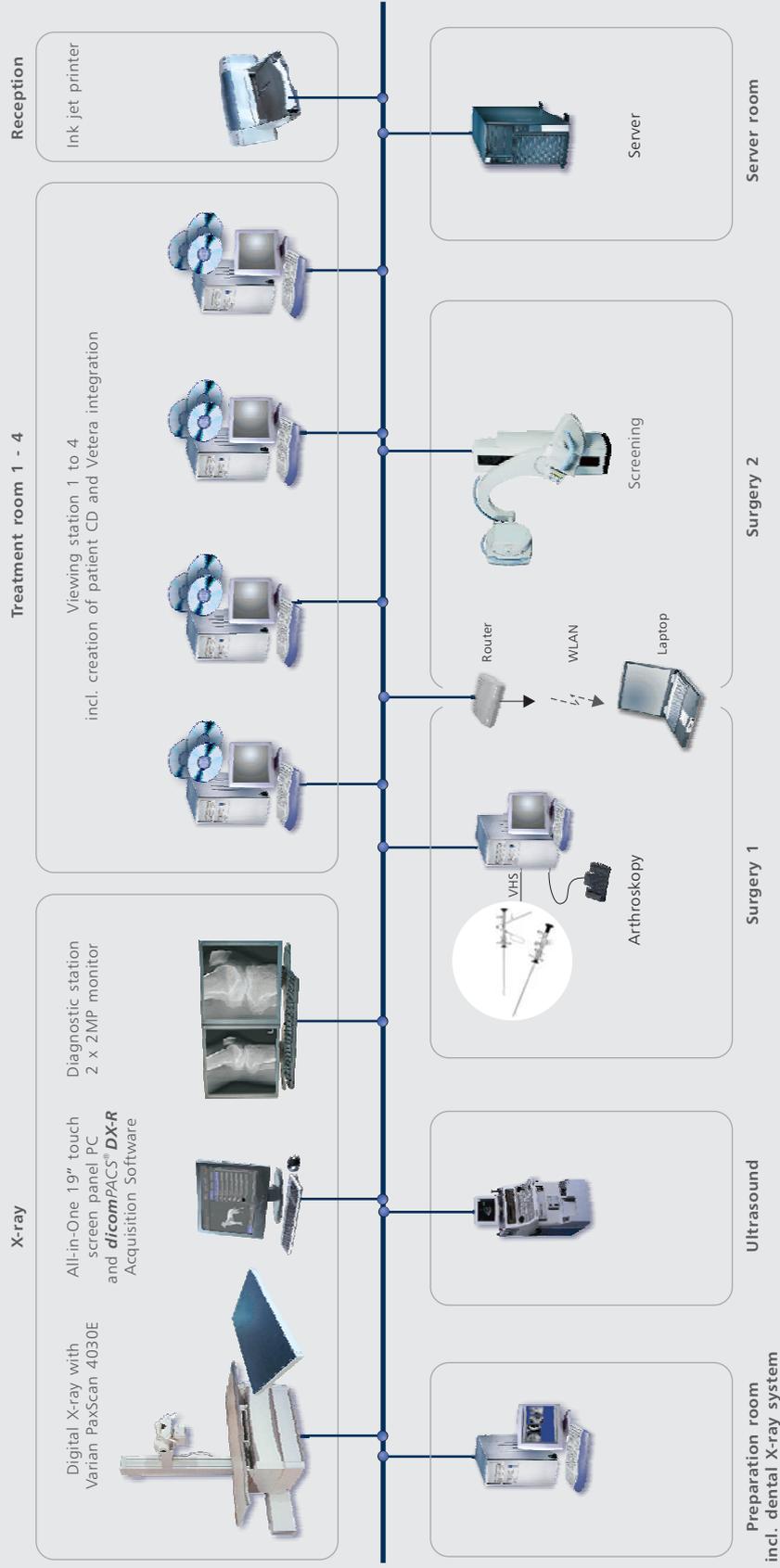

...the *dicomPACS*®*DX-R* image acquisition software

"I am very happy with the workflow in image generation. A good image is provided very quickly and transfer to other monitors is wonderfully easy and just requires a single click. The consistent image quality also contributes to making procedures faster and easier. If difficult X-ray images have to be taken, for instance of a bird, the quality of the image can be improved very quickly with a few simple adjustments.

The integrated body parts for small animals, with numerous adjustments are most helpful - this type of programmable organ selection leaves nothing to be desired. Moreover, diagnostic image evaluation is designed to be very user-friendly."

Veterinary clinic for small animals in Wasbek, Dr. Johannes Frahm, Germany

Reception

Ink jet printer

Treatment room 1 - 4

Viewing station 1 to 4
incl. creation of patient CD and Vetera integration

X-ray

Diagnostic station
2 x 2MP monitor

All-in-One 19" touch
screen panel PC
and *dicomPACS® DX-R*
Acquisition Software

Digital X-ray with
Varian PaxScan 4030E

Server room

Server

Surgery 2

Screening

Router

WLAN

Laptop

Surgery 1

VHS

Arthroskopy

Ultrasound

Preparation room
incl. dental X-ray system

DICOM network - veterinary clinic for small animals in Wasbek

Upgrading to digital made easy

Medici DR Systems *vet*

with *dicomPACS*®***DX-R*** Software
DR Retrofit Systems for the Future

You know the problem: Your X-ray system is not even that old and works perfectly. Yet as a progressive doctor you would now like to create your X-ray images digitally and benefit from all the advantages of this technology.

CR systems are not an option for you since digitalisation with a flat panel (DR system) offers many additional advantages, mainly better image quality and hardly any servicing costs. Therefore you would like to extend your existing X-ray system by a flat panel system and are looking for a complete upgrade kit that is easy to install, easy to operate and provides X-ray images in a professional and reproducible quality.

Welcome to our Medici DR systems!

Medici DR systems are available for almost any existing X-ray system. Various makes and sizes of flat panels allow your system to be configured according to your needs. The ***dicomPACS*®*DX-R*** acquisition software can be operated intuitively via a touchscreen, adjusts to your work routine and provides X-ray images in a reproducible, extremely high quality.

Of course, all **Medici** DR systems can be integrated into your practice management software and transfer the X-ray images to an image management system (PACS). If you have not yet installed such an image management system but still require the images to be distributed within your practice or hospital, or to colleagues or patients via the internet - no problem: Our ***dicomPACS***® image processing system will do just that.

Further information is available under www.or-technology.com

OR Technology
Digital X-ray and
Imaging Solutions

OR Technology (Oehm und Rehbein GmbH)
18057 Rostock, Germany, Neptunallee 7c
Info hotline +49 381 36 600 600
www.or-technology.com, info@or-technology.com

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Medici DR retrofit systems