

Central Radiological Department, Kaiser Franz Josef Hospital, Vienna, Austria

The main responsibility of the Central Radiological Department is to provide **fast and patient-friendly picture diagnostics** for patients of the Kaiser Franz Josef Hospital as well as training of future specialists for diagnostic radiology. Dr. Wolfgang Kumpan, executive committee head of the Department, says, *"To do this, we need the best technology available. All picture diagnostics are done digitally at the institute, which is certified with the ISO 9001:2000 standard. With flat panel detector radiography, spiral computer tomography (CT), magnet resonance imaging (MRI), ultrasound, radioscopy, angiography and interventional radiology, only digital images are produced. However, the presentation of conventional radiographic films, which are often transferred to the institute from other hospitals and physicians, is still **essential** and very important."*

Installed in the Training room, the WolfVision Visualizer of the Professional series is the **perfect tool** to view, enlarge and analyze X-ray films on a large rear-projection screen.

Dr. Kumpan: *"The Visualizer always comes into play when we need to discuss or view external radiographic films with larger groups. The equipment is a substantial aid for our training courses, in meetings and conferences."*

*The image quality is of absolute importance for a correct diagnosis. Smallest points or shades on radiographic films are crucial. That's why we need equipment with **high resolution** and a **truthful rendition of all greyscales.**"*



Important details can be zoomed in on and highlighted with the Visualizer



The radiography needs first-class pictures for training and accurate medical diagnosis

The **zoom function** is used to focus on vital details in the X-ray. With the preview monitor, the presenter controls and checks the image shown.

Important points are simply highlighted on transparencies, which are placed on top of the radiographic film.

X-rays require entirely different settings to colored documents or objects. These settings are easily and quickly activated by using the **preset functions**.

Dr. Kumpan says further, *"Because of the outstanding picture quality, we have been working with WolfVision units of the Professional range with 3-CCD camera for many years."*

The Visualizer is not only used for X-ray films.

Radiological paper prints, documents, slides or diagrams are also presented in **first-class image quality** and **realistic colors**.

The Visualizer is operated by a high end remote control system, which controls all peripheral devices of the training room.



Prim. Univ. Doz. Dr.
Kumpan,

*"With the Visualizer, we
can present our external
radiographic films in
best image quality"*



*The Central Radiological Department is the one of the most
modern X-ray institutions in Austria*

A further potential application of the Visualizer, used by other hospitals, lies in **"Telemedicine"**. By connecting the unit to the video conference system and hospital network, radiologists can quickly and easily exchange and transfer diagnostic information. As a result, the therapeutic response time is shortened, patient transports or the transfer of files to other hospitals are avoided and medical costs are reduced.

Workstation at the Central Radiological Department:

