

Reference

Innovative digital image management solution in the
Warnow-Klinik Bützow, Dept. Orthopaedics & Trauma Surgery



Warnow-Klinik Bützow gGmbH
Thomas Blum, CEO of Warnow-Klinik

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Geschäftsführer Thomas Blum



Reference

The **dicomPACS®** digital X-ray solution opens up a new chapter at Warnow-Klinik

18 months ago (2012) the new building of Warnow-Klinik in Bützow was inaugurated. "The new building has opened a new chapter of medical care for our clinic" says Thomas Blum, the clinic's Managing Director. State-of-the-art wards with the latest medical equipment ensure that patients receive optimal care. The X-ray department which was the first unit to be opened in the new building, was upgraded with a digitalised system by OR Technology. "For digital X-ray imaging, we were looking for a partner providing a solution that was tailored exactly to our needs", says Thomas Blum.

"The **dicomPACS®** digital X-ray solution by OR Technology allows us to provide optimal service to our patients. In our X-ray department, the image processing system is suitable for stationary use, and in the operating theatre and ICU we use it together with our mobile X-ray system. The new technology allows us to work with minimum radiation doses, to obtain high resolution images within a few seconds and to create optimal diagnostic evaluations at short notice thanks to the numerous functions of **dicomPACS®**. This allows our doctors, for instance, to access the required images at the push of a button, to overlay and compare them and thus monitor the course of the healing process.

dicomPACS® diagnostic tools for optimal diagnostic evaluation

The **dicomPACS®** image management software offers, depending on the area of application, numerous special tools, such as the so called "Chiro Tools" which were developed in cooperation with experts in the US and Canada for image management in the fields of chiropractic, surgery and orthopaedic surgery.

They are perfectly suited for creating precise diagnoses and planning further treatment. Depending on the tools used, mid-lines and mid-points, defined curves and angles etc. can be automatically generated once the desired points have been manually marked.

Dr. Methodi Jantschulev, head of the Surgical Department and Medical Director of Warnow-Klinik, confirms the importance of **dicomPACS®**:
“Our range of medical services is vast. In the departments of orthopaedic and trauma surgery we treat fractures and perform intramedullary nailing, plate osteosynthesis, extremity and reconstructive surgery as well as knee and hip TEP implants. To do this, we require the best diagnostic evaluation software, so that we can rely on precise examination results in order to be able to act speedily for the benefit of the patient.”

dicomPACS® MobileView: Radiologic image material anywhere and anytime

Thomas Blum is also happy about having acquired the web based **dicomPACS® MobileView** viewer, one of numerous extension modules available for OR Technology's diagnostic software. “The **ORCA** (OR Technology Cloud Archiving) web server enable us to liaise with a number of different medical practices and the doctors in our clinic can even compile preliminary assessments by means of **dicomPACS® MobileView** while they are on call. This also saves our patients a lot of time and effort. In addition, we use the mobile viewer on a tablet when doing ward rounds so we can discuss further treatment at the bedside together with patients and colleagues.”

The web based **dicomPACS® MobileView** viewer offers browser-independent viewing of image and document material on mobile terminal units even outside of clinics or practices. The doctors and nursing staff can access all image material worldwide via a network connection. Apart from mere viewing and assessing of images,



diagnostic reports recorded in studies can be entered and exchanged. It is also possible to attach or exchange documents or edit unsigned diagnostic evaluations.

Communication via ORCA – Intelligent cloud solution for telemedicine and archiving

The **ORCA** cloud solution used by Warnow-Klinik Bützow gGmbH is an intelligent, economical long term archiving and communication platform for stationary and mobile use. By means of the “archive” function, images and documents can be saved online in the client specific cloud long term archive while the “share” function provides uncomplicated, worldwide access to data via cloud.

“The patient no longer needs to pass the image data on to the specialist or the referring practice via CD or a print-out. **ORCA** secures access to the archived patient data. With the cloud solution, staff can use any computer, whether their own workstation, or any other PC stationary, notebook or tablet, to easily access to data”, as Bernd Oehm (CEO / Owner of OR Technology) explains.

The **dicomPACS**[®] diagnostic software is an excellent basis for future innovations at Warnow-Klinik. The image management solution by OR Technology epitomises innovation and, thanks to a modular set-up, offers the possibility to expand whenever circumstances require. **dicomPACS**[®] can be extended at any time so that special tasks such as pre-operative planning or 3D reconstruction can be integrated into the system without any problem. It offers connection, control and management of anything related to images and documents: from taking the image to diagnostic evaluation, archiving and communication.

“With **dicomPACS**[®] we feel well equipped for the future and we cannot imagine our daily work without it”, confirms Thomas Blum, the managing director of Warnow-Klinik Bützow.



Innovative digital image management solutions ideally suited for private practices and hospitals



dicom PACS®



dicomPACS® is a sophisticated, high-tech image management solution based on vendor neutral archive technology (VNA) and ideally suited for private practices and hospitals. With **dicomPACS®** all images generated by digital X-ray, CT, MRI and ultrasound devices, as well as diverse documents (e.g., doctors' letters, medical findings, medical history, faxes) are stored in a digital patient folder and readily accessible. Our carefully designed archive and backup solutions guarantee quick access to all data and high security standards (in keeping with the German Medical Devices Act). Furthermore, the software can easily be integrated into all common information management systems (e.g., KIS, RIS and EPA). The **dicomPACS®** software acquires, processes, transfers and archives images as well as other documents.

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