

Reference

Digital X-ray with fully motorised U-arm system

Amadeo Z in the Bonn Orthopaedic Group Practice, Germany



Version-001-04-2019



Bonn Orthopaedic Group Practice

Praxis am Melbbad, 53115 Bonn

Praxis in Beuel, 53225 Bonn

Germany

Contact: Mr. Buchsbaum

www.orthopaedie-bonn.de

info@orthopaedie-bonn.de

beuel@orthopaedie-bonn.de



Dr. med. Michael Buhr
Portrait © www.orthopaedie-bonn.de



 Amadeo Z Systems

Reference

The practice: The "Orthopädische Gemeinschaftspraxis Bonn" is organised on the model of a special clinic. Under the management of Dr. Buhr and Dr. Schlicht, a total of 16 doctors and 35 medical assistants work at both locations.

Due to the cooperation of experts with different specialisations, a very high level of expertise in the fields of orthopaedics and accident surgery is achieved and patients are offered the best possible treatment. The two practice locations in Bonn-Poppelsdorf and Bonn-Beuel are closely linked. The medical specialists and employees of both locations participate in the daily exchange of information and case studies.

The practice has, in fact, "... specialised in the differentiated search for causes and therapy of acute and chronic spinal conditions as well as degenerative and injury-related joint diseases". The orthopaedic joint practice is a certified DVO osteological centre focusing on the diagnosis and therapy of osteoporosis and other bone diseases.

Challenges and motivation:

In order to find and combat the causes of spinal conditions or joint ailments, special attention is paid to holistic diagnostics and therapy. Reliable medical equipment such as X-ray machines are needed to make the right diagnosis.

"In our everyday work, many images of the cervical, thoracic and lumbar spine are taken either sitting or standing. We were looking for a user-friendly and flexible X-ray machine that could be used quickly," said Mr. Buchsbaum, Medical Technical X-ray Assistant in the Bonn practice.

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

"It was important for us to find a supplier who could provide us an easily understandable offer and also accompany us from installation to support. That's how we became aware of OR Technology."

The Solution: Since March 2017, they have been working at the location Melbbad in Bonn-Poppelsdorf with the digital X-ray with fully motorised U-arm system Amadeo Z-DR. The advantages immediately become apparent. Exact examination results and X-rays support precise and holistic diagnostics.

Benefits for day-to-day radiography:

The fully motorised complete X-ray system is used to X-ray the entire skeleton. "With the Amadeo Z, the shoulder, cervical, thoracic and lumbar spine can be x-rayed both standing and sitting. We can also take images of the pelvic area or the knee or ankle joint in a minimum of time," Buchsbaum points out. "The system is very flexible. The U-arm is easy to position in a few seconds. Neither an adjustment of the tube nor the detector drawer is necessary. Special adjustment angles or the required images can be programmed and accessed at the touch of a button. Tabletop images can also be released by pressing a button. The system automatically moves to the correct position".

Compared to conventional X-ray equipment, digital radiography offers many advantages. These are now also becoming noticeable in the joint practice in Bonn. X-ray imaging without films and chemistry considerably simplifies work processes.. The optimised workflow of the X-ray process reduces the number of work steps. Time, personnel and financial resources are saved.

The expert MT X-ray assistant Buchsbaum about working with the Amadeo Z-DR: "The image acquisition is very fast.



It only takes a few seconds to get the image. The quality is very good. If necessary, it is simply adjusted. The images can be viewed and evaluated in all doctors' offices. Archiving takes place independently and is automatically saved on the different media. The X-ray assistant is easy to understand and helps in cases of uncertainty. The connection to our practice management system S3 works without any problems".

The X-ray device is equipped with the *dicomPACS®DX-R* acquisition software, which offers a lot of functionalities. "I would like to mention in particular the option for image stitching tools for images of the whole leg and vertebral column."

In summary, the Bonn practice team is very satisfied with the fully motorised all-round device. Working with the Amadeo Z-DR makes work easier in all departments with the best documentation.

Installation and maintenance:

The installation of the Amadeo Z-DR proceeded fast and without any problems. "The OR Technology employees were very friendly and really competent, which I can confirm by my more than 27 years of experience with X-ray companies". Mr Buchsbaum emphasised.





Amadeo

Z Systems

Digital X-ray with fully motorised U-arm system for low ceiling heights

Stationary Amadeo Z X-ray systems are fully motorised, compact and designed for ceiling heights over 2.4 m. Radiological positioning for all examinations, including full spinal and leg imaging via image stitching, is effortless.

The optimised workflow saves time and personnel resources. The entire system is controlled via our professional acquisition and diagnosis software, *dicomPACS®DX-R*. The U-arm can be positioned easily within seconds, using either the motorised or manual mode of operation. Four electric motors facilitate accurate and effortless U-arm adjustment for patients in sitting, standing and lying positions (examination table is optional).

 **OR Technology**

www.or-technology.com

OR Technology (Oehm und Rehbein GmbH), 18057 Rostock, Germany, Neptunallee 7c
Tel. +49 381 36 600 500, Fax +49 381 36 600 555
www.or-technology.com, info@or-technology.com

Info-Hotline: +49 381 36 600 600

