



“Gone are long lines and waiting lists of patients needing X-ray exams.”

Dr. Alexander Tsehla
Chief Radiologist

DX-D 300 floor-mounted DR solution:

- Handles a broad range of general and specialty X-ray studies
- Flexible and affordable, combining a single detector with fully motorized positioning
- U-arm allows lateral cross-table exams on rolling tables and wheelchairs
- Cesium Iodide DR detector technology offers potential for dose reduction
- MUSICA² image processing offers outstanding contrast detail and consistently excellent image quality

Small footprint and threefold growth in throughput make DX-D 300 ideal for major Ukraine clinic

Excellent diagnostic quality and improved delivery of care promote radiology department's image among referring physicians throughout Crimea region

Established in 1995, Genesis Clinic is today among the region's leading multi-profile healthcare facilities. The facility itself is compact with limited space resulting in X-ray rooms too small for conventional imaging units. A key requirement in selecting a new DR solution was a small footprint with state-of-the-art features.

CUSTOMER CASE



Did you know ...

- Dr. Tsehla regularly speaks at Ukrainian radiology conferences. He's also Head of the Radiology Association of Crimea and author of 19 scientific papers.
- More than 60,000 patients come to Genesis Clinic annually to obtain a diagnosis and effective treatment of their illness. About 4,000 require surgery.
- Genesis Clinic consistently rates among the top 10 hospitals according to The Ukrainian National Rating of Healthcare Facilities.

The clinic is located in Simferopol, a popular beachfront resort in the autonomous Crimea Republic on the Black Sea's northern coast. The challenge for the clinic – to keep its medical services rates modest so the majority of people can afford them, while pursuing its philosophy of providing medical treatments of supreme quality – is huge. Genesis Clinic has been very successful in balancing these challenges.

Correct diagnosis upfront fosters efficient service and improved healing

All procedures are performed from two X-ray exam rooms. In order to improve patient throughput and image quality characteristics of the radiology exam room, the Genesis Clinic's owners purchased Agfa HealthCare's DX-D 300 direct radiography solution in September 2012. Dr. Tsehla explains that he personally chose the solution and persuaded the clinic's management to purchase it. He thoroughly considered a variety of applications, and opted for the DX-D 300 for several reasons. "In addition to compact size and high-quality results, we needed a system with the potential to lower X-ray dose, and I believe only manufacturers like Agfa HealthCare with a long history in the market offer such solutions," says Dr. Tsehla. "According to my evaluation, the radiation dose for a chest exam performed on the DX-D 300 is much lower compared to the previous X-ray system we had."

"DX-D 300 matches image quality with sophisticated automation in many stages of the diagnostic process, which significantly simplifies the technologists' work," underlines Dr. Tsehla. He says it takes no longer than three to five days for a new technologist to master the DX-D 300.

Motorized U-arm and fast image display contributes to threefold exam increase

The DX-D 300's speed in capturing and displaying X-ray images has allowed the radiology department to increase the number of exams threefold compared to a year ago, adds Dr. Tsehla. Gone are long lines and waiting lists of patients needing X-ray exams, he says. Also, the NX workstation, equipped with MUSICA² image processing software, easily creates DICOM images, which allow doctors to store a specific patient's images on an individual database and refer to this resource later if required. Another advantage of Agfa HealthCare's DX-D 300 is its highly flexible U-arm that greatly assists in patient positioning. The fully-motorized arm easily pivots to accommodate a number of configurations, making it more comfortable for patients with complicated cases, such as wheelchair-based orthopaedic studies. The need to lift a patient from wheelchair to X-ray table is eliminated.

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