

# The MUSICA difference: excellent image quality, potential for lower dose, smoother workflow



For Everest Imaging Center in Amman, Jordan, MUSICA image processing, combined with leading Agfa DR and CR solutions, is improving diagnostic image quality, helping the Center address its patient safety goals

**Case study Everest Imaging Center**  
Amman, Jordan



# Case Study

## INTERVIEWEE:

**MR. BELAL AL AYASRA**, TECHNICIAN, OWNER  
AND MANAGER OF EVEREST IMAGING CENTER

Everest Imaging Center in Amman, Jordan, has a clear philosophy: to support excellent patient care in Amman and beyond, by providing the best possible diagnostic results and image quality. For this facility offering a full range of imaging exams – including MRI, CT, US, X-ray and CBCT – top-quality, leading equipment is key to achieving its mission. That's why Everest Imaging Center has chosen to make Agfa its sole supplier for all of the direct radiography (DR) and computed radiography (CR) systems. And the 'brains' behind this imaging ecosystem is the gold standard MUSICA image processing, which provides the high-quality images needed to support diagnosis, while saving technologists and patients both time and effort.

"Our relationship with referrers is very important," starts Mr. Belal Al Ayasra, technician and owner of Everest Imaging Center. "We get referrals from a broad range of specialties, and patients come from different areas of Amman and around Jordan."

"Our philosophy is that you need the best image quality to get the best diagnostic report," he continues. "With the Agfa DR and CR systems plus MUSICA image processing, I believe we are getting some of the best image quality in Jordan."

"We have been able to reduce dose, even while improving image quality."

**Mr. Belal Al Ayasra**

## A SINGLE VENDOR FOR ALL DIGITAL RADIOGRAPHY

When the Center decided to update its X-ray modality portfolio in 2018, Mr. Al Ayasra took a look at Agfa's solutions – and was very impressed. "The MUSICA



image processing offered excellent results in terms of image quality. The DR Retrofit solution provided the possibility to lower radiation dose for our patients. And together they offered improvements in our productivity and workflow."

Convinced by the advantages, the clinic replaced all of its previous X-ray modalities with Agfa solutions: the DR Retrofit, CR for general radiography and mammography, and hardcopy printers. The 'brains' of this new X-ray environment is the MUSICA image processing software, and the nerve center is Agfa's identification and quality control tool – the MUSICA Acquisition Workstation.

## 'FIRST TIME RIGHT' IMAGING

For more than 20 years, 'MUSICA' has been synonymous with high-quality medical imaging. The gold standard MUSICA image processing software brings intelligence to the entire imaging process, from pre- to post-exposure, for 'first time right' imaging without manual post-processing. It consistently gives you the high-quality images you need to support confident diagnosis, while saving both time and effort. MUSICA offers improved performance for difficult imaging areas, and optimally renders all relevant data in the image, adapted to the sensitivity of the eye, so there is no need for window level adjustments. And it plays a role in dose reduction capabilities by providing excellent detail at a low dose.

## DR BENEFITS FOR VIRTUALLY EVERY IMAGING ENVIRONMENT

The DR Retrofit lets virtually any imaging environment go DR, while maximizing its existing X-ray investments. Analog and CR modalities – fixed, mobile, mammography and full leg/full spine – can become



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Mr. Belal Al Ayasra

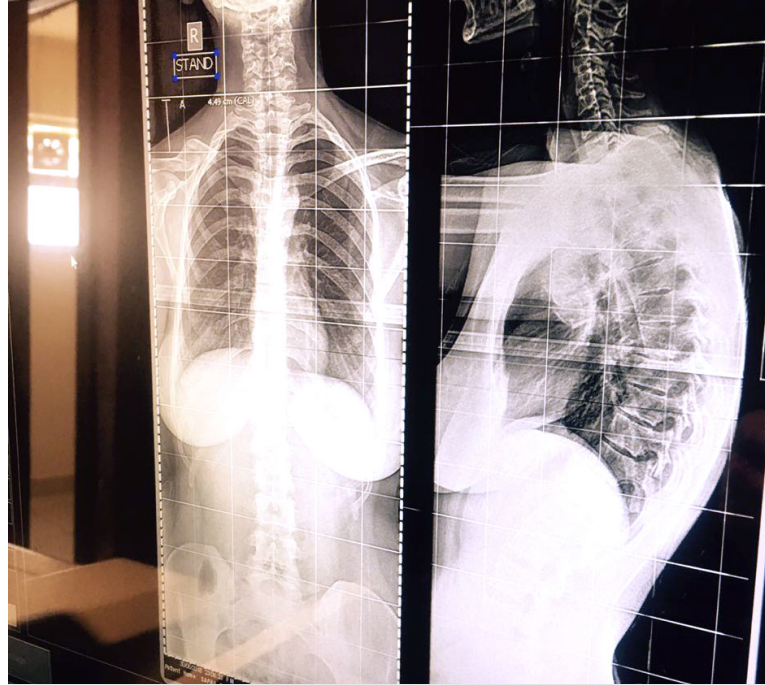
high-productivity DR systems. The benefits are clear: immediate, high-quality images and a smooth, fast workflow.

The DR 17e wireless, high-resolution full-field Automatic Exposure Detection (AED) detector works with virtually any X-ray equipment, while the high Detective Quantum Efficiency (DQE) and optimal pixel size support lower patient radiation dose. Fewer retakes enhances the delivery of patient care and comfort, and the cassette-less solution improves workflow and examination speed.

## REDUCING DOSE: EVERYBODY'S CONCERN

“The Agfa solutions and MUSICA image processing, have improved our workflow: imaging is very fast, and with MUSICA we can easily manage the parameters of contrast, brightness and sharpness,” comments Mr. Al Ayasra. “We have also been able to use a high kVp/low mA imaging technique for chest and some other, low-thickness organs, with excellent results, enabling us to reduce dose even while improving image quality. Images are consistent, with very high quality. And the MUSICA Acquisition Workstation's interface is easy to use and handle: you get your results with only a few steps, compared to other vendors.” The same interface is used for all Agfa CR and DR solutions, increasing staff efficiency and reducing the need for training.

Reputation and service are also important for Mr. Al Ayasra and Everest Imaging Clinic: “Agfa has an excellent reputation worldwide, and is a leader in Jordan for X-ray modalities,” he explains. “Local Agfa distributor Medical Vision Co. also has an excellent reputation locally, with professional and highly educated staff handling sales and service. That is important for our peace of mind, and to make sure we can give our patients and referring physicians the service they expect and deserve.”



## AN AGFA ECOSYSTEM FOR EVEREST IMAGING CENTER:

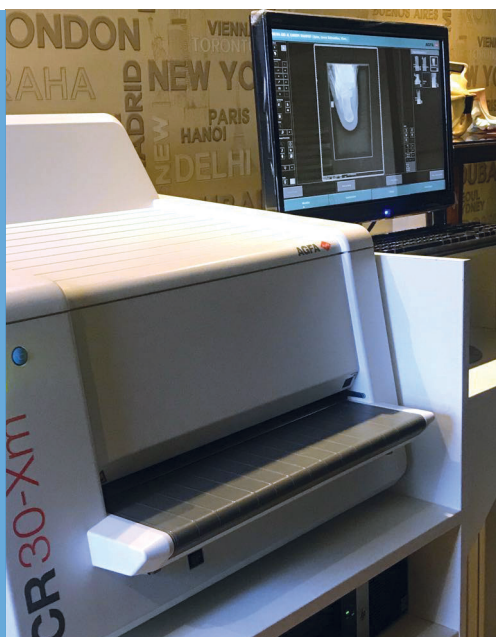
- **MUSICA image processing:** This proven, ‘gold standard’ image processing enhances both image quality and workflow for technologists. The latest technology improvements provide more detail in images and enable confident, comfortable reading.
- **DR Retrofit with the cassette-sized wireless DR 17e detector:** Agfa's vendor neutral DR Retrofit solutions easily upgrade existing X-ray modalities to DR while protecting existing investments.
- **CR 30-Xm\***: This compact, table-top solution handles both digital mammography and general radiography applications.
- **CR 15-X:** Versatile and cost-effective, this multiple study solution is ideal for high imaging volumes.
- **DRYSTAR printers:** Agfa's hardcopy printers offer Direct Digital Imaging (DDI) technology enhanced with A#Sharp for consistently sharp images.

\* CR 30-Xm is not available in the US and Canada



## DID YOU KNOW?

Everest Imaging Center offers a training center to support and improve the knowledge and experience of technologists in Jordan. The training center aims to prepare students for new evolutions and technologies in radiography.



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**Mr. Belal Al Ayasra**

For more information on Agfa, please visit our website on [www.agfa.com](http://www.agfa.com) ■

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