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Hospital Sant Joan de Déu in Barcelona adds two mobile DR 100s units to its portfolio of Agfa X-ray solutions

The groundbreaking DR 100s delivers fast, high-quality DR imaging at the bedside, with excellent maneuverability and ease of use

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- The compact, customer-driven design of the mobile DR 100s enhances productivity and comfort of bedside imaging at a busy teaching hospital specializing in pediatrics and gynecology.
- Agfa offers technologies to support pediatric patients, including MUSICA image processing, which enables a decrease in radiation dose of up to 60%¹.
- MUSICA Chest+ provides ‘first time right’ bedside imaging with no grids, speeding up chest exams by up to 30%.
- Previous experience with Agfa’s digital radiography solutions enabled staff to quickly familiarize themselves with the new DR units.

At the beginning of January 2021, Hospital Sant Joan de Déu in Barcelona, Spain, added two mobile DR 100s direct radiography (DR) systems to its diagnostic imaging equipment portfolio. A long-time Agfa customer, Hospital Sant Joan de Déu also has three DX-M computed radiography (CR) systems, suitable for mammography, and a high-performance DR 800 multi-purpose imaging solution.

Busy pediatric and OB/GYN environment

Hospital Sant Joan de Déu is a teaching hospital specializing in pediatrics, gynecology and obstetrics. The privately owned healthcare provider belongs to the Hospitalier Order of St. John of God, which manages nearly 300 health centers around the world. The Sant Joan de Déu hospital counts 362 beds and

¹ Testing with board-certified radiologists has determined that Cesium Bromide (CR) and Cesium Iodide (DR) detectors, when used with MUSICA image processing, can provide dose reductions between 50 to 60%, compared to traditional Barium Fluoro Bromide CR systems. Contact Agfa for more details.

12 operating rooms. Each year, its 1,200 professionals handle more than 4,000 births, 130,000 emergencies, 26,000 patient admissions and 13,000 surgeries.

To support patient care and productivity, the busy hospital's imaging portfolio was expanded with two mobile DR 100s units. The groundbreaking DR 100s combines a narrow width and light weight with a powerful generator and image processing capabilities. Swift and motor-driven, it quickly delivers high-quality DR imaging, excellent maneuverability, rapid image previews and ease of use. The tube head with ZeroForce technology makes manual movement nearly effortless on all three axes. The result is easy and comfortable bedside imaging, for operator and patient alike.

A smooth workflow and “first time right” images

Like all of Agfa's DR systems, the DR 100s is powered by MUSICA. The MUSICA Imaging Workstation enhances workflow and productivity, with a single, intuitive user interface for smooth, efficient DR imaging. Agfa's latest generation, gold-standard MUSICA image processing provides “first time right” imaging, supporting ALARA (*as low as reasonably achievable*) principles for radiation dose – a particularly important issue in pediatric and neonatal environments.

The hospital added the optional MUSICA Chest+ software for gridless bedside imaging, which speeds up chest exams by up to 30%, to its mobile DR 100s units. With Chest+, less time is needed to finetune images for optimal reading, the risk of repetitive strain injury is reduced, there are no grids to disinfect, and there are fewer rejects due to poor grid alignment.

High-quality images and low radiation dose

“Our key reasons for choosing Agfa included the excellent quality of chest images and the ability to use a low radiation dose, which is so important for a hospital like ours with a pediatric focus,” says Dr. Teresa Maristany, Chief Radiologist of Hospital Sant Joan de Déu. “And as our radiography staff were already familiar with Agfa's digital radiography systems, they were quickly up and running with the DR 100s units.”

“We are very pleased that the Hospital Sant Joan de Déu has expanded its portfolio of Agfa imaging solutions with our groundbreaking DR 100s,” says Felipe Navarro, Sales Manager Radiology Iberia, of Agfa. “This hospital is not only committed to quality, respect, responsibility and spirituality, but also it promotes innovation. The DR 100s fits its requirements perfectly, and is designed to help radiographers and radiologists perform at their very best.”

For an image, click [here](#)

About Agfa

Agfa develops, produces and distributes an extensive range of imaging systems and workflow solutions for the printing industry, the healthcare sector, as well as for specific hi-tech industries such as printed electronics & renewable energy solutions.

The headquarters are located in Belgium. The largest production and research centers are located in Belgium, the United States, Canada, Germany, France, the United Kingdom, Austria, China and Brazil. Agfa is commercially active worldwide through wholly owned sales organizations in more than 40 countries.

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