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## Sunderland Royal Hospital installs two Agfa ceiling suspended X-ray rooms, for high image quality and low dose

**The fully automated DR 600 rooms have enabled the radiology department to increase patient throughput and satisfaction.**

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- The top-performance, ceiling-suspended DR 600 streamlines workflow, increases throughput and enhances the experience of patients and operators alike.
- The MUSICA Nerve Center offers a single, intuitive interface for smooth and efficient imaging.
- It includes the intelligent MUSICA image processing which delivers excellent image quality and, combined with Cesium Iodide detectors, potentially lowers dose by up to 60%<sup>1</sup>.
- In the competitive search for DR solutions, the confidence and reassurance in the Agfa service team played an important role in the choice of Agfa.

Agfa announces today that the Sunderland Royal Hospital, UK, a 970-bed acute hospital, which is part of South Tyneside and Sunderland NHS Foundation Trust, has implemented two DR 600 fully-automated direct radiography (DR) X-ray rooms.

The hospital has been a user of Agfa's digital radiography solutions for nearly 13 years. When the hospital decided to buy two ceiling-suspended, high-throughput DR rooms, after a competitive comparison of vendors, it chose Agfa based on its experience with the excellent image quality and the potential for low dose offered by the Agfa solutions.

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<sup>1</sup> 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.

The agreement was signed at the end of 2018. The two X-ray rooms were implemented in phases, to avoid disrupting the radiology department: the installation of the first room was completed in mid-July 2019, and the second in September 2019.

### **DR 600: top performance combined with optimized comfort**

The ceiling-suspended DR 600 delivers high speed, precision and comfort, with innovative technologies including ZeroForce technology for quick, easy manual movement of the tube head; and EasyStitch technology for full leg/full spine (FLFS) imaging.

The DR 600 rooms come with Agfa's MUSICA Nerve Center, which offers a single, intuitive interface for smooth and efficient imaging, and MUSICA image processing, which has been specially adapted and tuned to provide excellent DR image quality. Exam-independent, MUSICA delivers consistent image quality and high contrast detail, even for low-dose images. The latest technology improvements provide more detail in images and enable confident, comfortable reading.

"The DR 600s have not only allowed us to increase our throughput, but have also helped us produce higher quality images for less dose," comments Paul Simpson, Radiology Operational Manager, South Tyneside and Sunderland NHS Foundation Trust. "The ZeroForce technology has reduced the amount of physical effort required by the radiographers. The FLFS system is very simple to use, and produces images of a much higher quality for a much lower dose when compared to our old FLFS system."

### **"Intuitive and easy to use"**

As the Agfa DR uses the same interface as its computed radiography (CR) solutions, staff training was minimal and adoption of the new solutions was smooth. Paul Simpson continues, "Staff generally love the DR 600 rooms: they are intuitive and easy to use. As the department has used Agfa's digital radiography systems for over a decade, everyone was already familiar with the MUSICA workstation and image processing. This has meant that training has

been very easy and the radiographers have quickly come to rely on the DR 600s as their go-to equipment of choice.”

He concludes: “The move from Agfa CR to Agfa DR was an obvious one. We have had great image quality with CR and MUSICA since day one, so we expected nothing less from Agfa’s DR offering. The DR 600s have given us the fast throughput, easy-to-use equipment and – most importantly – high image quality we were looking for.”

“We are very pleased that Sunderland Royal Hospital has chosen to extend their relationship with Agfa, and will become a reference site for the DR 600 in North-East England,” comments Iskandar Accaoui, Radiology Solutions Manager Europe of Agfa. “This reflects not only the ability of our solutions to meet the real requirements of hospitals today, but also the quality of the relationships our service teams build through their hard work and dedication.”

For an image, courtesy of Agfa, click [here](#)

#### **About Agfa NV**

Agfa NV is one of the world’s leading companies in imaging technology. Agfa NV develops, manufactures and markets analogue and digital systems for the printing industry, for the healthcare sector, and for specific industrial applications. The group has more than 150 years of imaging experience. The healthcare division delivers diagnostic imaging solutions that set standards in productivity, safety, clinical value and cost effectiveness. Agfa is headquartered in Mortsel, Belgium. The company is present in 40 countries and has agents in another 100 countries around the globe.

For more information on Agfa, please visit [www.agfa.com](http://www.agfa.com) or the [Agfa Blog](#)

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