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Benenden Hospital, UK, upgrades X-ray facilities with multi-purpose DR 800 and high performance DR 600 X-ray rooms

Private hospital chose Agfa for excellent MUSICA™ image quality with minimum dose, plus the flexibility to handle both fluoroscopy and general radiography

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- The DR 800 is a highly versatile, fully integrated, multi-purpose solution suitable for a broad range of applications, including fluoroscopy.
- Fully automated, the ceiling-suspended DR 600 streamlines workflow, increases throughput and enhances the experience of patients and operators alike.
- Intelligent MUSICA image processing delivers excellent image quality and potentially lowers dose by up to 60% ¹; Dynamic MUSICA handles both static and moving images.

Agfa announces today that it has implemented both the DR 800 and DR 600 direct radiography (DR) systems at Benenden Hospital, in Kent, UK. Since their installation, the X-ray rooms have enabled the hospital to reduce patient dose, while delivering excellent image quality.

Benenden Hospital, in Kent, UK, is an award-winning private hospital and a center of excellence with a reputation for exceptional care. It offers a comprehensive range of medical, surgical and diagnostic services, available to members of Benenden, Privately Insured, Self Funding and NHS patients via NHS e-Referral Service. The Benenden Hospital imaging department performs over 17,000 imaging examinations per year, using state-of-the-art technology.

Proven solutions that maximize return on investment

To replace its existing fluoroscopy system, Benenden Hospital began searching for a multi-purpose solution that could handle both a full range of fluoroscopy and general radiography exams. To maximize return on investment, the hospital wanted a solution that could function as a full X-ray room, without the addition of

a supplementary X-ray tube. A challenging room build and equipment layout required service and flexibility from the solution and the supplier. Finally, the solution needed to be both easy to use and quick to learn.

After much research and numerous site visits throughout the UK, Benenden Hospital chose to purchase Agfa's multi-purpose DR 800; at the same time, the hospital decided to replace its aging X-ray equipment with a high-performance DR 600 room.

DR 800: multiple types of imaging in a single room

The versatile DR 800* can handle a full range of radiography (including static exams and tilting exams) and fluoroscopy exams (including barium studies, arthrograms, cystograms, myelography and catheter placement, etc.), without the need for additional overhead tubes or separate wall stands. It can thus carry out the different types of imaging in a single room, with a single investment. The multi-purpose imaging system includes Dynamic MUSICA image processing software for both general radiography and moving images. It can handle fluoroscopic images with the same high quality and low dose features that have made it Agfa's 'gold standard' for radiology departments around the world.

DR 600: high productivity combined with ease of use

The ceiling-suspended DR 600 delivers high-productivity and innovative features, to streamline workflow, increase throughput and enhance the experience of patients and operators alike. The ZeroForce Technology enables quick, easy, almost 'zero effort' manual movement of the tube head in all directions. Like all of Agfa's DR systems, the DR 600 comes with Agfa's 'gold-standard' MUSICA image processing software, which brings intelligence to the entire DR imaging process for "first time right" imaging without manual post-processing.

Delivering dose reduction and optimum imaging

"Paramount within the criteria of purchase was that we would be able to obtain optimum images using minimum dose. Thus far both units have provided us with good image quality, and enabled us to reduce patient dose. In addition, the equipment and software had to be user friendly and easy to learn, and Agfa's

solutions ticked all the boxes. This equipment is a pleasure to work with,” explains Tina Marshall, Lead Superintendent of Benenden Hospital.

“We already had experience working with Agfa, and we found the service to be prompt and professional. Installation was quick and efficient, and we finished a week ahead of schedule. The support has been first class; throughout the installation we were kept fully informed, and both engineers and programmers were interactive and easy to work with,” adds Tina Marschall.

“We are very proud to have been chosen by Benenden Hospital after its very competitive search for solutions that fit its specific requirements, both in terms of our technology and our service and support,” comments Louis Kuitenbrouwer, Vice President Radiology solutions of Agfa. “The DR 800 and DR 600 are part of a comprehensive portfolio of solutions and technologies that deliver high-quality images, the potential for lower radiation dose¹ and increased productivity, and a smooth, efficient workflow. Extending our relationship with Benenden Hospital shows the proven value that we and our solutions are able to offer to all types of hospitals, whatever their needs.”

*DR 800 is not available in Canada
For an image, courtesy of Agfa, click [here](#).

About Agfa

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



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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.

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