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At ECR 2020, Agfa transforms its DR portfolio into intelligent lifecycle solutions

As part of this transformation, new solutions, including digital tomosynthesis and the groundbreaking DR 100s mobile imaging unit, will be launched

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- Agfa's digital tomosynthesis solution is now available with the DR 600 and DR 800; empowered by MUSICA, it adds clinical value to a wide range of applications such as orthopedics.
- Agfa's brand-new, tomosynthesis algorithms for iterative reconstruction, deliver images with less noise and fewer artefacts. These algorithms also enable very fast image reconstruction, overcoming the usual slow iterative reconstruction process.
- Designed in collaboration with users around the world, the new mobile DR 100s unit combines fast, high-quality DR imaging with excellent maneuverability and ease of use.
- All Agfa DR solutions are delivered with the MUSICA Imaging Workstation, providing efficiency and intelligence.
- Agfa's 'gold standard', intelligent MUSICA image processing software provides the best image quality at the lowest possible¹ dose.

(ECR, Hall 4, Booth #403) At ECR 2020, Agfa will highlight a DR portfolio transforming towards intelligent lifecycle solutions that evolve along with customers' individual needs. Among the elements of change being shown are the new, high-productivity, ergonomic mobile DR 100s, and digital tomosynthesis, which offers a fast, economical and low dose technique to separate anatomical overlap in a variety of applications.

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.

Furthermore, at the Agfa booth, radiology professionals can discover Agfa's entire, comprehensive digital radiography portfolio, powered by MUSICA, and discover the value of Agfa's services in building strong relationships for a better customer experience.

Digital tomosynthesis adds clinical value to a wide range of applications

Agfa's digital tomosynthesis solution can add clinical value in a wide range of domains, including orthopedics (for the detection of microfractures, weight bearing exams, etc.), pulmonology (nodules) and urology. By combining the advantages of multi-slice reconstruction with the low dose and fast workflow of general radiography, it delivers meaningful answers that help improve the patient's experience and outcome.

The digital tomosynthesis solution powers high-resolution, limited-angle tomography with very fast, multi-slice image reconstruction. It automatically presents three-dimensional images with optimal contrast, and provides consistent MUSICA image quality across the individual slices and images. The reconstruction slice thickness can flexibly be set from 2 mm to 9 mm.

The solution uses patented tomosynthesis algorithms that overcome the usual slow iterative reconstruction process, to deliver images with less noise and fewer artefacts, while simultaneously enabling very fast image reconstruction. The DR 800 with digital tomosynthesis can capture no fewer than 46 (low-dose!) images in a 30-degree arc, in only 10 seconds, enabling a considerably higher patient throughput compared to CT exams. Image reconstruction takes only 30 seconds.

Digital tomosynthesis is available for use with the DR 800 and DR 600²:

- The DR 800 is a flexible, intelligent, dynamic imaging solution that allows to carry out general radiography and fluoroscopy exams, and minor interventional procedures, in one room, with one investment.
- The high-productivity, fully automated DR 600 X-ray room streamlines workflow and increases throughput, with technologies including ZeroForce and EasyStitch full leg/full spine imaging.

² Tomosynthesis with DR 600 is pending 510(k) Clearance in the U.S.

A new force in mobile imaging: the DR 100s

At ECR 2020, Agfa will also launch the DR 100s high-productivity, ergonomic, mobile DR imaging solution, in the European market. Delivering a new force in mobile imaging, its customer-driven design supports greater productivity and enhanced patient care. With the new DR100s, X-ray re-invents itself providing consistent and intelligent information to care givers, and definitive answers to critical patients.

The DR 100s combines excellent DR image quality, fast image preview and a broad range of applications, including chest, abdominal, skeletal and stitched long-length exams. With its swift motor-driven and compact design, the DR 100s offers excellent maneuverability, for truly comfortable bedside imaging. The tube head with ZeroForce technology makes manual movement nearly effortless in all three axes.

The DR 100s comes standard with the MUSICA Imaging Workstation, which offers a single, intuitive interface for smooth and efficient imaging. The 22" inch touchscreen monitor can be angled to eliminate light reflection, enabling comfortable viewing of image previews and easy access to a broad range of tools, applications and features. The DR 100s also offers a smaller, 10" tube head display giving the operator bedside access to patient data, generator settings and image previews at the tube head.

"The DR 100s is very maneuverable, even in a small space. You can make quite subtle movements: raising the column, turning the system in either direction. And the flexibility of the X-ray tube enables precise positioning," says Bart Van Loon, Radiographer, ZNA hospital network, Antwerp (Belgium).

"We do portable imaging in every setting in the hospital: emergency, inpatient, neonatal, intensive care, even in the OR. It's important we have a unit that is versatile and easy to use, yet functions as a complete workstation. We also have a high expectation when it comes to image quality. Agfa's MUSICA image processing provides the quality our radiologists expect," comments Elizabeth Evans, X-Ray Modality Manager, AdventHealth, Florida (USA).

The MUSICA Imaging Workstation: intelligence and efficiency for radiology

Furthermore, at Agfa's booth, radiology professionals will be able to discover Agfa's entire DR portfolio, ranging from entry-level mobile units to advanced, multi-purpose, automated X-ray rooms. The comprehensive portfolio is designed to offer solutions for healthcare facilities of every size and budget.

All Agfa DR solutions are delivered with the MUSICA Imaging Workstation, which provides efficiency and intelligence, with a single, intuitive interface. It supports smooth DR imaging, whether for general radiography, fluoroscopy, mammography³ or full leg/full spine (FLFS).

The 'gold standard', intelligent MUSICA image processing software enables 'first time right' imaging, with the best image quality at the lowest possible¹ dose.

Smart MUSICA tools and customer-driven functionalities deliver a flexibility and customization that meet the needs and tasks of technologists, radiologists and imaging facilities, while cyber-security tools help protect patient data and prevent disruptions to patient care.

Transforming imaging through co-creation of lifecycle solutions

"Radiology needs intelligent, efficient and continuously evolving solutions that add clinical value and deliver meaningful answers to patients. By co-creating solutions with our customers, we are bringing real change to the table. The launch of our digital tomosynthesis solution and the DR 100s is a clear demonstration of this transformation," comments Louis Kuitenbrouwer, Vice-president of the Radiology Solutions Division at Agfa.

To find out more about how Agfa offers intelligent and efficient digital radiography solutions powered by MUSICA, visit us at ECR 2020, March 11-15, Vienna, Austria, ECR, Hall 4, Booth #403.

³ Mammography applications are not available on DR X-Ray solutions in the U.S. and Canada.

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.

For more information on Agfa please visit www.agfa.com



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