

Agfa Press Office
Septestraat 27
B – 2640 Mortsel
Belgium

Birgitte Baten
Global PR Manager
Agfa

T +32 (0)3 444 8007
birgitte.baten@agfa.com

Johan Jacobs
Corporate Press Relations
Manager Agfa-Gevaert NV

T +32 (0)3 444 80 15
johan.jacobs@agfa.com

Agfa white paper “Digital tomosynthesis - extending conventional 2D X-ray imaging into the next dimension” demonstrates clinical potential of the technology.

Agfa’s digital tomosynthesis solution offers a fast, economical and low-dose technique to separate anatomical overlap in a variety of applications

Mortsel, Belgium – 30 March 2020 – 14:00 CET

- Well-documented and practical musculoskeletal cases show how Agfa’s digital tomosynthesis solution can complement 2D and CT imaging.
- The solution delivers clinical value and enhances the patient’s care, while improving the productivity of the imaging environment.

Agfa has published a white paper that demonstrates the clinical value of digital tomosynthesis (DTS) in productivity-oriented clinical environments. The paper includes several musculoskeletal cases with indications, imaging examples, and the added value propositions of digital tomosynthesis.

Improving the patient experience

In clinical practice, planar X-ray images are usually the first imaging technique used. However, in many cases patients require supplemental imaging from another modality, such as CT or MRI. This usually requires the patient to move to a different area or department, and involves an additional workflow. Digital tomosynthesis, on the other hand, provides the missing clinical information while the patient is being examined within the same department.

Agfa’s digital tomosynthesis solution can thus 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.

Cases: Digital tomosynthesis for musculoskeletal imaging

Agfa's white paper focuses specifically on the clinical value of digital tomosynthesis for musculoskeletal imaging – a key exam group for mid-size and productivity-oriented hospitals¹. Bone fractures and trauma can make it very difficult to properly position the patient, due to pain and mobility issues. With tomosynthesis immediately following an X-ray examination, the patient is already positioned, and does not have to be repositioned or moved to another modality.

In three illustrated clinical musculoskeletal cases, the white paper lays out the proven added value of Agfa's digital tomosynthesis solution. It summarizes the main advantages as:

- **Improved triage:** final diagnosis is possible while the patient is still in the clinic, and waiting times for subsequent imaging modalities can be avoided.
- **Enhanced patient care:** little or no patient repositioning is required to obtain the necessary clinical information. Lateral projections, which are often painful for patients, can be avoided.
- **Lower radiation dose:** a significantly lower dose is required compared to CT, even low-dose CT.

Improved care and productivity

"Agfa's digital tomosynthesis solution turns hidden depths into meaningful answers, using patented tomosynthesis algorithms that overcome the traditionally slow iterative reconstruction process" describes Georges Espada, Head of BU CR/DR at Agfa.

"Digital tomosynthesis is available with the DR 600 and DR 800 direct radiography solutions, empowered by MUSICA. Used with these solutions, it supports a smooth and efficient radiography workflow, to enhance the patient's care, while improving the productivity of the imaging environment."

¹ Tomosynthesis in musculoskeletal pathology; A. Blum, A. Noël, D. Regent, N. Villani, R. Gillet, P.G. Teixeira, 2018
doi.org/10.1016/j.diii.2018.05.001

The white paper “Digital tomosynthesis - extending conventional 2D X-ray imaging into the next dimension”, and information on Agfa’s digital tomosynthesis solution, can be found on the Agfa website.

Download the white paper [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.

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



Follow us at [Twitter](#)

Agfa, the Agfa rhombus, MUSICA and ZeroForce are trademarks of Agfa-Gevaert N.V. Belgium or its affiliates. All rights reserved.

All information contained herein is intended for guidance purposes only, and characteristics of the products and services described in this publication can be changed at any time without notice. Products and services may not be available for your local area. Please contact your local sales representative for availability information. Agfa diligently strives to provide as accurate information as possible, but shall not be responsible for any typographical error.

Only the English version of this press release is legally valid. The versions in other languages only represent a translation of the original English version.