

AGFA RADIOLOGY

DensityScan:

Turning routine X-rays into an opportunity to diagnose osteoporosis

A ScanXR™ product*

Osteoporosis is a common pathology, and a so-called "silent disease", that is frequently undiagnosed and thus, is left untreated. And it is a major cause of fragility fractures, which can impact elderly and other vulnerable patients. Half of all women over 50 are expected to suffer a fracture caused by osteoporosis. In fact, patients often experience several fractures before being diagnosed with osteoporosis, which can lead to unnecessary pain and suffering, and even untimely death.

DensityScan, a ScanXR™ product embedded in the MUSICA® Workstation, enables earlier identification of patients with a high risk of osteoporosis, during ordinary X-ray imaging. It helps bridge the diagnosis gap for osteoporosis: to improve patients' quality of life, ensure healthcare equity, and enable significant healthcare cost savings.

Watch the video to discover more about how DensityScan helps break the silence on this too-often invisible disease.



Strengthening the backbone of healthcare

While bone density scans (DEXA or DXA) are key for diagnosing osteoporosis, these exams are often viewed by payors as elective procedures, and not every patient has easy access to them.



With DensityScan, standard X-rays become an opportunistic screening tool to identify patients who may benefit from a bone density scan. DensityScan automatically adds a bone health report to the patient's X-ray, without requiring any special training for radiographers.

The report is archived in the PACS, where it is accessible for review by the radiologist and referring physician, or for follow-up by the specialist. They can then decide on further investigation or treatment.

DensityScan:

- identifies at-risk patients with standard, routine wrist and forearm X-rays, enabling faster diagnosis.
- uncovers patients who don't fit the 'typical' risk profile for osteoporosis, reducing missed abnormalities or diagnoses.
- screens out patients who are unlikely to benefit from a bone density scan, reducing costs for patients, hospitals and health systems, and freeing up staff and valuable equipment resources for those who need them.

Harnessing AI to enhance patient care pathways

DensityScan is a "silent assistant" that delivers results that can be readily interpreted by clinicians and that can be upgraded on most Agfa Radiology Solutions DR X-ray modalities:

- aBMD (areal bone mineral density) and T-score measurements are standard metrics for clinicians and specialist.
- No radiographer training is needed, and DensityScan doesn't interfere with the radiographer's normal workflow.
- Processing is done inside your workstation, and is transparent for your IT infrastructure.
- DensityScan is powered by IBEX BH, which is CE-marked.



A ScanXR™ product*

DensityScan is part of the ScanXR™ portfolio of AI-driven tools that are embedded in the MUSICA® Workstation. ScanXR™ intelligently assists clinicians and radiologists to accelerate the identification and notification of suspected pathologies that tend to be underdiagnosed or that need to be treated promptly.

Powered by IBEX BH

With DensityScan, all compatible X-ray images are processed via the MUSICA® Workstation, using IBEX BH. It accurately measures aBMD and calculates T-scores, delivering up to 98% accuracy for osteoporosis prediction. IBEX BH has been proven in clinical studies to identify bone mineral density loss, enabling earlier identification and timely treatment of osteoporosis.

About IBEX Innovations Ltd.

IBEX Innovations Ltd. is a UK based software medical device manufacturer. Its proprietary software engine brings a revolutionary new approach to X-ray imaging. This software is able to extract bone mineral density information from a standard X-ray image, which would otherwise require specialist equipment and scanning methods.

Guided by a mission to support healthy aging, IBEX Innovations Ltd. delivers greater access to osteoporosis diagnosis, and has been recognized by UK Research and Innovation as the greatest potential benefit to the NHS.

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*Not all ScanXR products are available in all regions.

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