

PRESS RELEASE

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First Spiral Breast CTs Installed at Two Radiology Practices in Germany

Unique technology allows for compression-free examinations and excellent image quality

AB-CT – Advanced Breast-CT (Erlangen, Germany) has recently installed their nu:view spiral breast CT system in two radiology practices and obtained positive feedback from the resident radiologists. The two devices at MVZ Prof. Dr. Uhlenbrock und Partner (Dortmund, Germany) and DIE RADIOLOGEN (Regensburg, Germany) are the first installations of the high-tech breast imaging modality in a non-hospital environment. While the compression-free system is setting a mark in patient comfort, its diagnostic potential is equally impressive: it allows for the depiction of calcifications and excellent soft tissue differentiation at the same time, whilst keeping dose levels low. "We are delighted to have these two reputable practices as breast CT reference centres, and are very much looking forward to this collaboration", says Benjamin Kalender, CEO of AB-CT. EXAMION, a German-based specialized international provider of solutions for digital radiography, took a key role in the negotiations.

"The spiral breast CT system nu:view is a world-leading innovation. It allows for high resolution, 3D imaging without superimposition at comparably low radiation dose levels. In our practice, quality and patient care always come first. So this new solution is an ideal fit with the philosophy of our practice", says Dr. Andreas Kämena, radiologist and partner with DIE RADIOLOGEN.

Dr. Karsten Ridder, radiologist and senior consultant with MVZ Prof. Dr. Uhlenbrock und Partner, sees nu:view as a pain-free, convenient alternative to conventional mammography, tomosynthesis and MRI: "The examination procedure [with breast CT] offers way better patient comfort and is much more relaxing for the patient, as we do not have to compress the breast. And it is very fast: In the course of a single 360° rotation around the female breast, up to 2000 projection images are created. A full scan takes as little as 7 – 12 seconds. One beneficial aspect

to us radiologists is the extremely high resolution of 0.15 mm. That is seven times the resolution of conventional MRI images."

Drawing from his own breast CT experience to date, the medical expert is convinced: "With mamma CT, for the first time, I can also examine breast implants safely. With these images, it is even possible to assess the integrity of the implant and the surrounding glandular parenchyma without the need for any additional contrast agent."

Improved diagnostic quality with contrast-enhanced examinations

At the same time, it is possible to perform functional imaging with additional contrast agent. "Thanks to the 3D images, we can better assess microcalcifications and also exactly measure the size of our findings. Moreover, we can also use them [the 3D images] for proper surgery planning. That is unique in senological diagnostics", explains Dr. Ridder.

According to Dr. Kämena, spiral breast CT is particularly suitable for patients who shy away from mammography, because of their own negative experience with it in the past or fear of pain. He continues to underline its diagnostic benefit as well: "nu:view is currently the only solution where it is possible to depict microcalcifications of tumours without breast compression at high resolution. This helps us to diagnose breast cancer early and in time – and completely without pain", says the radiologist from Regensburg.

Disclaimer 1: nu:view has received CE approval. nu:view has not yet received FDA approval.

Disclaimer 2: Original press release and quotes in German language. Translations by AB-CT – Advanced Breast-CT.

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ABOUT AB-CT – ADVANCED BREAST-CT GMBH

AB-CT – Advanced Breast-CT GmbH is a pioneering medical technology company specialising in quality diagnostic breast imaging. The dedicated breast CT system **nu:view** combines image quality, dose efficiency and patient comfort in a revolutionary way. Features include: real 3D imaging (360° angle), very high isotropic resolution, and excellent soft-tissue differentiation – all without the need for breast compression. AB-CT's vision is to deliver real value in patient care by empowering **radiologists** all over the world to reliably diagnose breast cancer at the earliest possible stage. AB-CT with headquarters in Erlangen (Germany) currently employs some 50 staff.

www.ab-ct.com

FURTHER INFORMATION

- EXAMION
www.examion.com
- MVZ Prof. Dr. Uhlenbrock und Partner, Dortmund
www.mvz-uhlenbrock.de
- DIE RADIOLOGEN, Regensburg
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