



The Mamma-CT. Senological diagnostics in a new dimension

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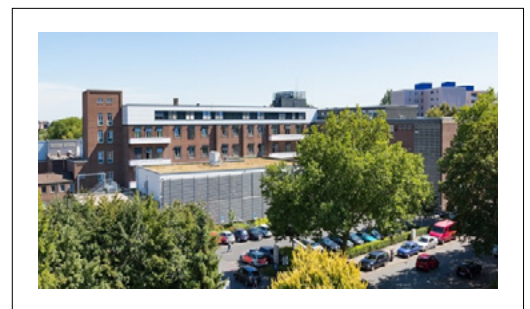
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Abstract

The new modality of the dedicated Mamma-CT is offering a robust and comfortable Examination of the breast. It is working without any compression and produces 3D-images of the breast without any superimpositions. Therefore it is avoiding two of the major problems of conventional mammography: Pain for the examined women and superimposition of glandular tissue. Adding a very short examination time, extremely high resolution of the acquired images and the facultative usage of contrast-media, the new technology of the Mamma-CT emerges to be one of the greatest inventions of senological diagnostics in the last years. Despite the first impression of being nothing more, than a nice tool for further assessment and an evaluation method for complex microcalcifications or multifocal findings, the Mamma-CT has a lot of possibilities in daily routine and turns out to becoming a real problem solver. Due to its robustness, short examination time, high resolution of 0.15mm in an isotropic manner, great comfort and usability of contrast media it fills the great gap between conventional Mammographie / tomosynthesis / contrast-Mammographie (TiCEM) and MRI. Even more it has the potential of becoming the reference modality for patients with Breast-implants or the clinic of secreting/bleeding mamilla. In the first case, the Mamma-CT offers high-end imaging of the breast AND the implants in one exam - without any compromise in sensitivity / specificity or risk of damaging the implants due to compression. In the second case, the mammo-CT can be used as a 3D-high-resolution-imaging tool for a classic galactrography – a complete new way of diagnosing intraductal tumors, like papillomas. This talk shows the technological background, the physics and advantages of this modality. It helps you to compare it to the traditional technologies and classify it in the setup of a multimodality approach in modern senological diagnosis. It gives also some breathtaking examples of this fascinating modality and cases out of daily routine.

Biography

Dr. Karsten Ridder is a Senior Radiologist, Department of MVZ Uhlenbrock & Partner. Beneath a great experience in conventional Radiology, MRI, CT, Ultrasound and cardiovascular imaging he is an expert in multimodal senological diagnostics and biopsy procedures with a practical experience of 20 Years. Therefore he is the programme responsible doctor for the mammographie-screening programme in his area. Also he is an expert in the upcoming field of artificial intelligence and implementing this technique into daily workload.



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