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AMULET INNOVALITY USER'S VOICE

23

Women's Health

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How we implemented MMG AI into our screening workflow

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"It is my personal mission to ensure the highest standard and quality to all women coming to see us. I have a strong family history of breast cancer and ovarian cancer with BRCA positive tested in my family. It would have saved my loved ones a lot of pain and grief if detected just early enough."

Dr.Safaa Khalil

A success story to tell

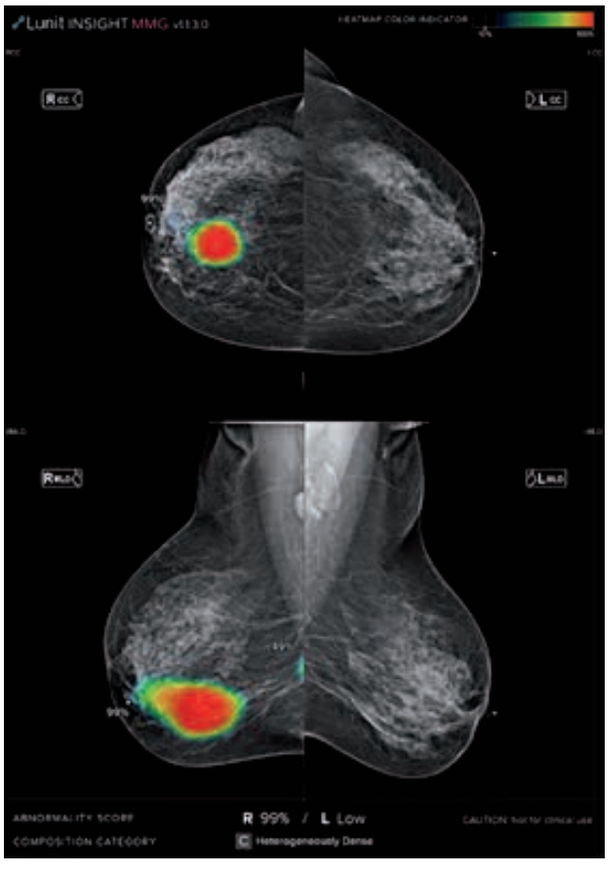
Our Mission/Our Vision
We are running our screening program, facilitating 8 Fujifilm Amulet Mammography units operated by, in total 29 very well trained, mammography technicians and 6 dedicated passionate mammogram reading radiologists. Our devoted screening workflow embeds 3 readers for each and every single mammogram. The first reader usually a resident radiologist, experienced second reader radiologist and highly skilled consensus reader radiologist.

"It is always very hard for the first reader to take the Mammogram evaluation decision, everywhere, not only in our screening program. We have a huge responsibility towards our patients, their families, their children and husbands.

We have an amazing and dedicated team of 1st, 2nd and consensus readers in our screening workflow" Dr. Safaa says proudly.

"Overall I see that highly skilled, well trained and qualified mammography reading radiologists are very rare. We are actually in need to increase the numbers of highly skilled radiologist to accomplish a fast and excellent service.
With Mammography 2D AI, now installed in all of our facilities we can actually redesign our workflow.
The implementation of AI supports our 1st reader in taking a better as well as a faster decision on day to day mammography image reading.
We want to reduce the recall rates by taking AI MMG as a fabulous supporting tool on our side. Suspicious cases flagged by 1st and 2nd reader will undergo a targeted workup with the help of the AI report.

Initially, I was curious how AI software can be utilized and how it could probably change my workflow. To comprehend AI results I have taken my collected positive proven cancer cases and analyzed those in retrospective manner .
I wanted to know how MMG AI behaves and what are the weak and strong points of this software.
I wanted to understand the new partner I will work with in the future.



**Typical MMG 2D AI report including breast density*

Throughout my study and evaluation, I concluded that AI MMG is of great support, especially with lesion like intra cystic papillary carcinomas as well as the difficult mucinous carcinoma. Since the low density of those lesions can be mistaken as benign.

However I see room for opportunities on extremely dense breasts. The development of AI in the future is very promising , maybe with this huge database I am sure AI will come to a state of perfection. Considering the geographic differences in breast structures I could see in the future a dedicated AI for breast of different genetic pools. At the same time I am curious to see the promising development utilizing AI MMG in diagnostic mammography procedures, avoiding additional views, saving time and taking better and faster decisions.
However there is so much to looking forward to when being able to utilize this fabulous tool in our screening practice. We might, over time, lose our 1st reader structure but we will not lose the importance of our highly skilled and well trained mammography radiologists," she says with a smile on her face.
"I am sure with the great support of our regional Fujifilm team we are always going to be at the forefront of the latest technologies".