FAQs

1. **What is 2D and 3D mammography?**
   2D Digital mammography is currently the standard of care used for breast cancer screening in Europe. It is an X-ray test that takes two images of each breast: top-to-bottom and an angled side view. Digital breast tomosynthesis (DBT), or 3D mammography, is a newer, more advanced breast imaging technology that captures hundreds of images, or slices, of each breast. DBT provides radiologists with more information, which enables them to assess potential cancers and better pinpoint their size, shape and location.

2. **What is artificial intelligence?**
   Artificial intelligence (AI) is an advanced form of computer science that allows computers to learn and work like humans. AI is used in healthcare to help analyse large amounts of data with greater precision.

3. **What is ProFound AI?**
   ProFound AI™ is an advanced mammography analysis tool that is revolutionizing the way radiologists read 2D and 3D mammography. Built on the latest in deep learning AI, this high-performing workflow solution rapidly and accurately analyses each individual image, or slice, and alerts radiologists if there are any suspicious areas or potential cancers that may require further investigation.

4. **How does this technology benefit women?**
   ProFound AI offers clinically proven benefits to women, including improved cancer detection with fewer unneccessary call backs. Trained with one of the largest available datasets, ProFound AI compares your mammography images against those it has learned from. It acts as another pair of eyes for doctors, helping them identify even subtle lesions that may be hard to detect with the naked eye, such as those found in dense breasts.

   A clinical study found that Profound AI for DBT improved breast cancer detection by an average of 8% and reduces unnecessary patient recalls by 7%, compared to mammography alone.[1]

For more information on 3D mammography and ProFound AI, please visit our facility's website or www.icadmed.com.

Book your mammogram with ProFound AI today!

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DMM271 RevA

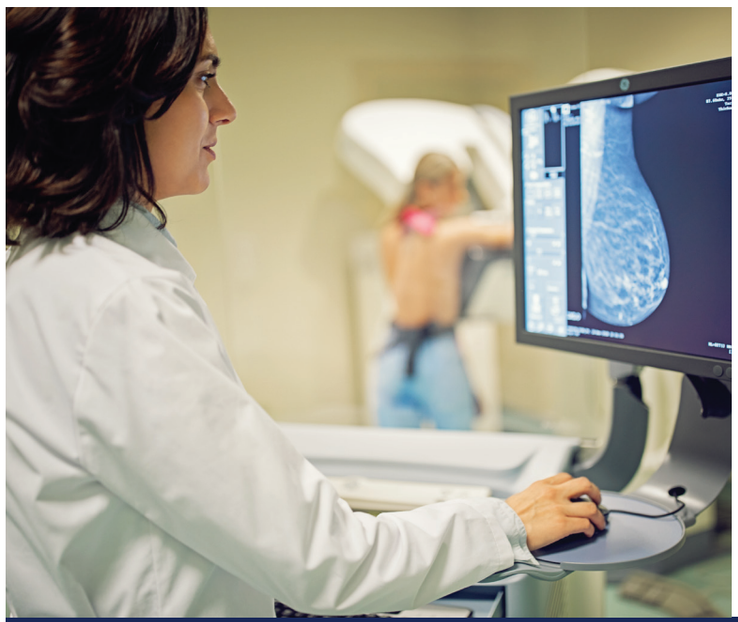
How artificial intelligence can improve breast cancer detection

What You Need To Know

Breast cancer screening has improved significantly in recent years, due to ongoing advances in medical imaging technology. With the introduction of digital mammography and 3D mammography (or tomosynthesis), we now have better images and more information than ever before to be able to detect breast cancer even in its early stages. With ProFound AI, the radiologist's tool kit is being strengthened even further by the addition of artificial intelligence.

Our facility now offers mammograms with this cutting-edge technology. ProFound AI helps the radiologist analyse and interpret mammogram images, identifying and assessing lesions in just a few seconds. Drawing on years of research and trained with millions of clinical images, the software's algorithm can detect subtle and very small lesions, as well as those found in dense breasts. The earlier cancer is detected, the more likely you are to recover.

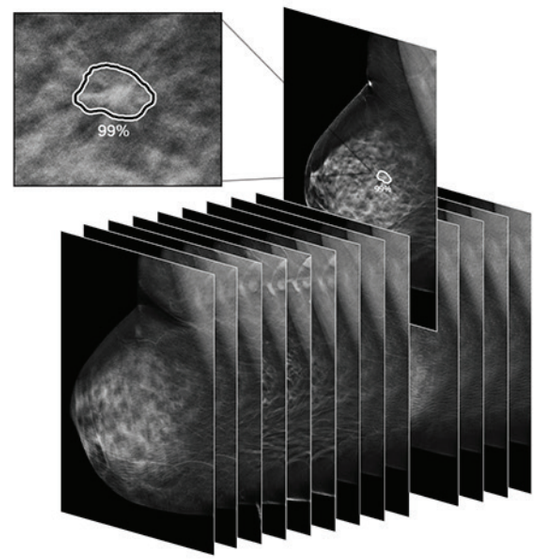
ProFound AI provides a second clinical opinion on mammograms.



How does ProFound AI work?

ProFound AI gives the radiologist a second clinical opinion. Designed using the latest advances in artificial intelligence, it rapidly and accuratey analyses mammograms and provides key information for radiologists, such as suspicious areas that may require further investigation.

According to a clinical study published in the journal *Radiology: Artificial Intelligence,* ProFound AI for DBT enabled radiologists to improve breast cancer detection rate by 8%, while reducing the rate of unnecessary patient recalls by 7%.[1]



1. Conant, E. et al. (2019). Improving Accuracy and Efficiency with Concurrent Use of Artificial Intelligence for Digital Breast Tomosynthesis. Radiology: Artificial Intelligence. 1 (4). Accessed via https://pubs.rsna.org/doi/10.1148/ryai.2019180096