

Meet Mia®:

Our breakthrough AI platform for breast screening

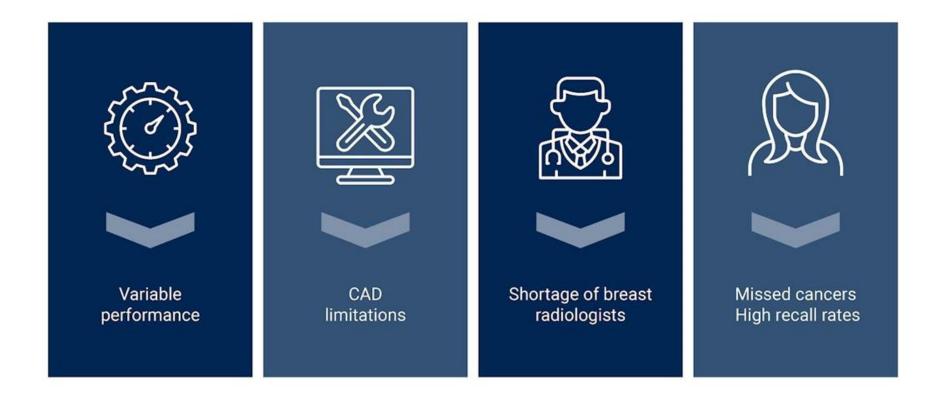
Giving every woman, everywhere a better fighting chance against breast cancer



Mia[®] is our breakthrough AI platform for breast screening.

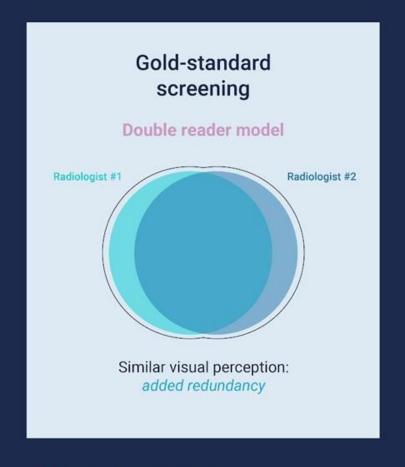
A suite of solutions, Mia is designed to empower radiologists and screening services to deliver confident, accurate and timely results to every woman, everywhere.

Breast screening programmes are facing huge challenges





Limitations of current approaches to breast screening



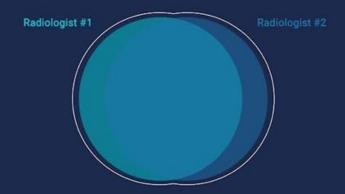


We have developed a new approach...

A breakthrough solution developed by Kheiron

Gold-standard screening

Double reader model



Similar visual perception: added redundancy

The attempt to achieve gold-standard screening

Single reader + CAD model

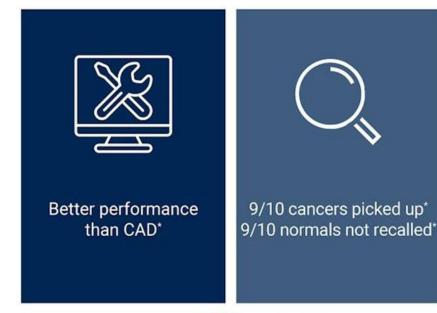


Isolated visual perception: vulnerable to bias



Meet Mia - our award-winning breast screening solution

Mia combines the latest deep learning technology with expert clinical insights









EuroMinniesBest New Radiology
Software 2019



CogX Innovation Awards Best Al Product in Health 2019

Recall or no recall? Mia supports a critical decision



Case-wise recall suggestion

Mia suggests a decision for the entire case, just like asking a radiologist colleague for an opinion



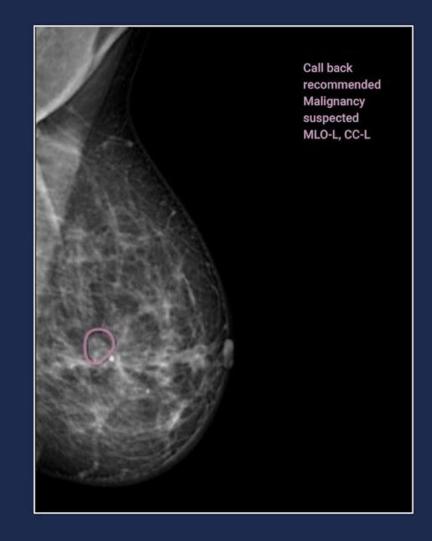
Images indicated

Where malignancy suspected



Auxiliary ROIs*

Only relevant areas marked



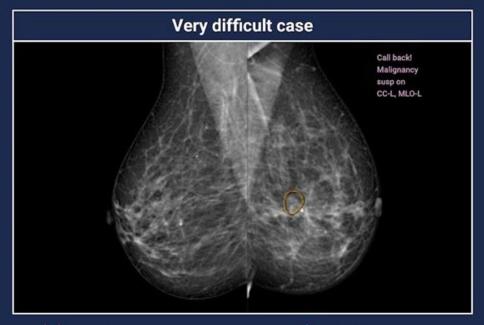
Mia detects breast cancer that even experts miss



Radiologist found the cancer on the right side but missed the cancer on the left side



Mia found it



Radiologist missed the cancer





Developed in partnership with leading institutions around the world



2018 clinical study found 90% sensitivity, 89% specificity

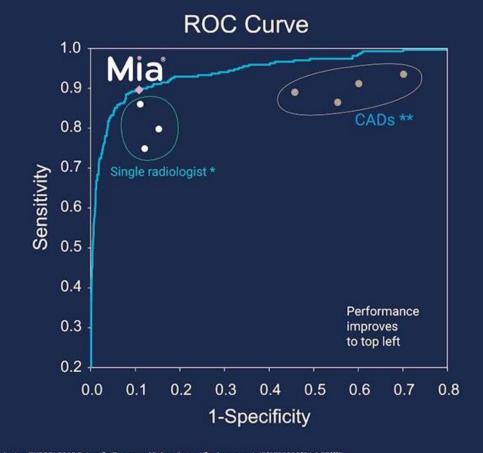
SCREENING SITES

3,854 CONTRACTOR SCREENING CASES

6.9%
PREVALENCE (Enirched Sample)

Educational use only.

Not intended for supply.





^{**} Hologic, Inc. (2014). Understanding ImageChecker CAD 10.0 User Guide. Bedford, MA: Author.; iCAD, Inc. (2011). M-Vu Algorithm Engine User Manual. Dallas, TX: Author.; Vazioulina T, Bagotskaya N (2012). Parascript® AccuDetect® CAD Software System - Computer Aided Detection for Digital Mammography User Manual. Longmont, CO: Parascript, LLC.; iCAD, Inc. (2001). SecondLookTM Device Labelling. Waltham, MA: Author

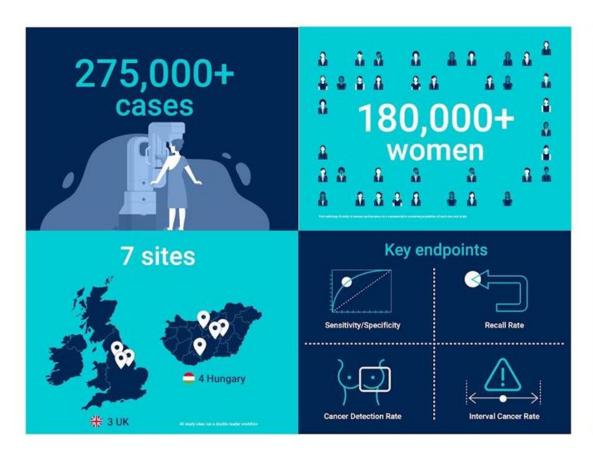
2018 study proved that Mia performs at the level of expert radiologists

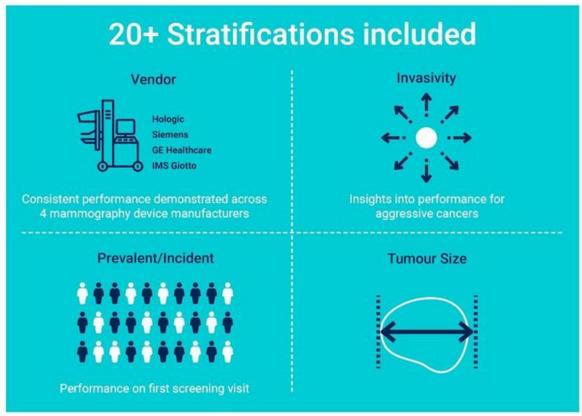
Acceptable Human Performance	Sensitivity	Specificity
Mia by Kheiron Medical	90%	89%
US national performance benchmarks for modern screening digital mammography ¹	87%	89%
Criteria for identifying radiologists with acceptable screening mammography interpretive performance ²	≥ 80%	≥ 85%
Minimally acceptable interpretive performance criteria for screening mammography ³	75%	88%

Breast Cancer Surveillance Consortium, doi:10.1148/radiol.2016161174

American Journal of Roentgenology, 2015;204: W486-W491
 Radiology, doi: 10.1148/radiol.10091636

Unprecedented scale & rigour of our 2020 study



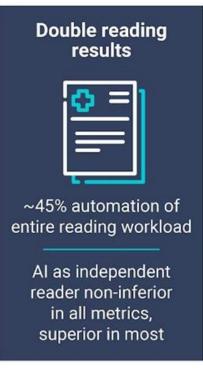


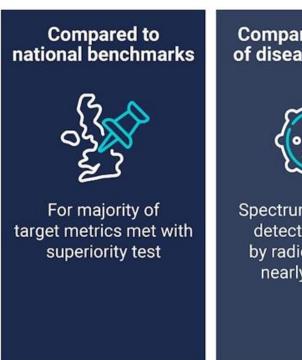


Results summary of our 2020 clinical study

In the largest radiology AI clinical study to date, we demonstrated differentiated performance **AND** a novel AI + radiologist workflow

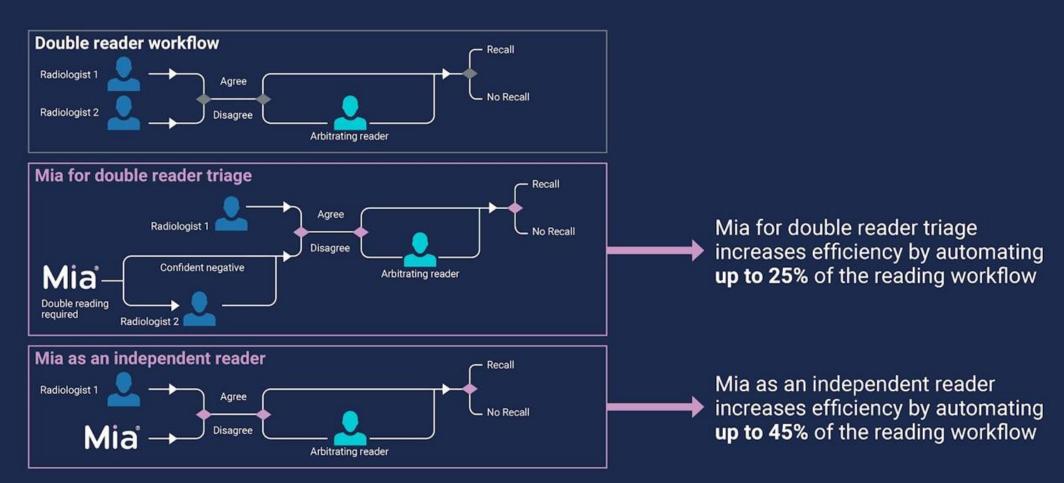








Mia can increase productivity of various workflows





The study found that using Mia as an independent reader maintains the standard of care of double reading, detects cancers missed by human readers, while automating a substantial part of the workflow, and could therefore bring significant clinical and operational benefits.

Dr Nisha Sharma

Consultant Breast Radiologist and Director and Clinical Lead for Breast Imaging at Leeds Teaching Hospitals NHS

First winner of UK Government's AI in Health and Care Award 2020

In the UK and beyond, this award will allow us to:



Accelerate the deployment and adoption of Al



Replicate and accelerate our rigorous approach to clinical validation



Generate evidence (clinical and health-economic) for an improved standard of care



The AI in Health and Care Award

Congratulations to innovators

ACCELERATED ACCESS COLLABORATIVE

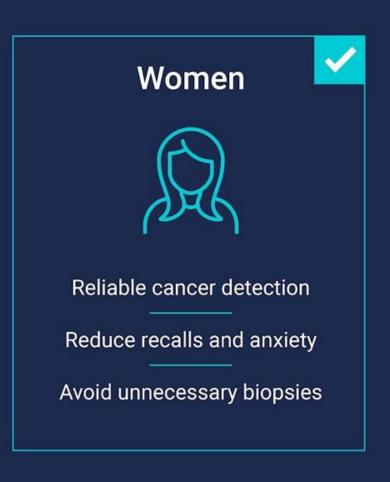




The combination of AI + humans will produce better outcomes for all









Thank you

For more information, please visit our website

www.kheironmed.com

To request a demo of Mia, contact

info@kheironmed.com