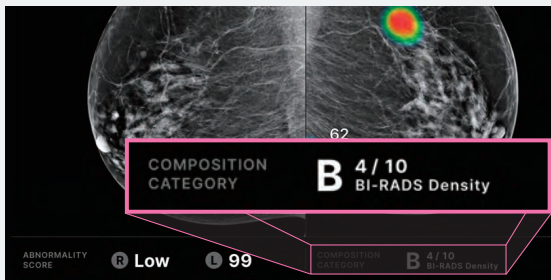


LESS DOUBTS, MORE CONFIDENCE

AI Solution for Mammography

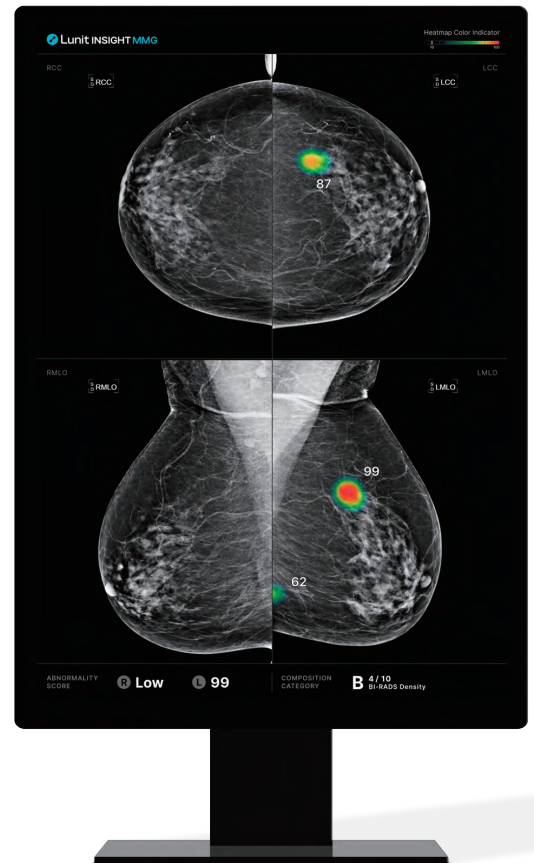
96% Detection Accuracy

➤ Density Assessment



Lunit AI automatically analyzes and generates quantitative density assessment during breast screening.

**Not available in the US.*



01 Improved Diagnostic Accuracy

Radiologist can improve diagnostic accuracy for dense and fatty breasts by up to **5%¹** and **12%¹**, respectively.

02 Enable Early Diagnosis of Breast Cancer

13%² more cancers found (including interval cancer and next-round screen detected cancer).

03 Strongest Performance by external validation

As a result of study, it was found that among the three commercialized AI algorithms, Lunit INSIGHT MMG showed strong performance in the retrospective clinical trial with **96%³** AUROC.

^{1,2}) Hyo-Eun Kim, Hak Hee Kim, et al. Changes in cancer detection and false-positive recall in mammography using artificial intelligence: a retrospective, multireader study. THE LANCET Digital Health. 2020

³) Mattie Salim, Erik Wählén, Karin Dembrower, et al. External Evaluation of 3 Commercial Artificial Intelligence Algorithms for Independent Assessment of Screening Mammograms. JAMA Oncology. 2020

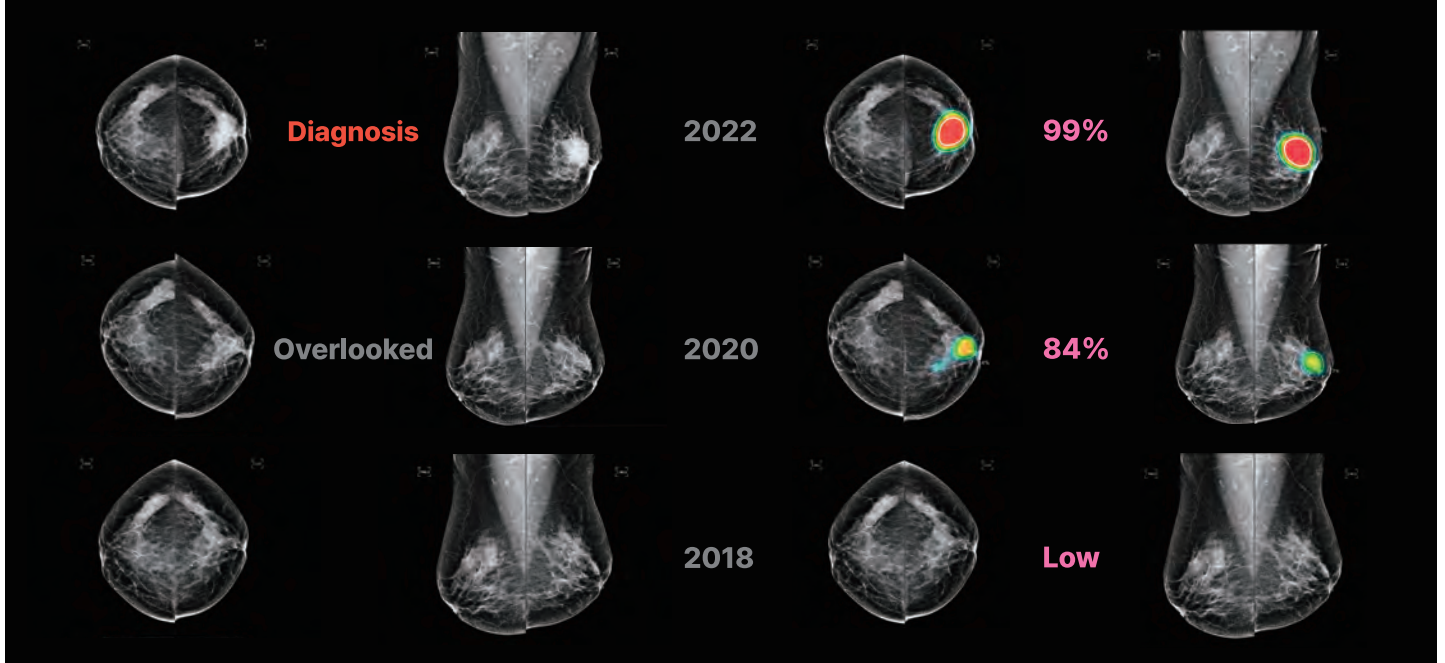
Early Detection

Lunit INSIGHT MMG successfully analyzed the mammogram of an overlooked case in 2020, where cancer was missed and the female patient was diagnosed 2 years later in 2022.

(Case provided by a private institution in Korea, using Lunit INSIGHT MMG)

Lt. breast cancer / Density grade B

Lunit INSIGHT MMG Abn Score



Implications	When detected early by AI	STAGE 1-2		96% 5 year survival
	When missed	STAGE 3-4		65% 5 year survival

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CE ₂₇₉₇ **FDA Cleared** *Does not include Density Assessment Feature

References: To read all references, please go to www.lunit.io/evidence
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