

## Etermal life

Cancer detection platform using artificial intelligence





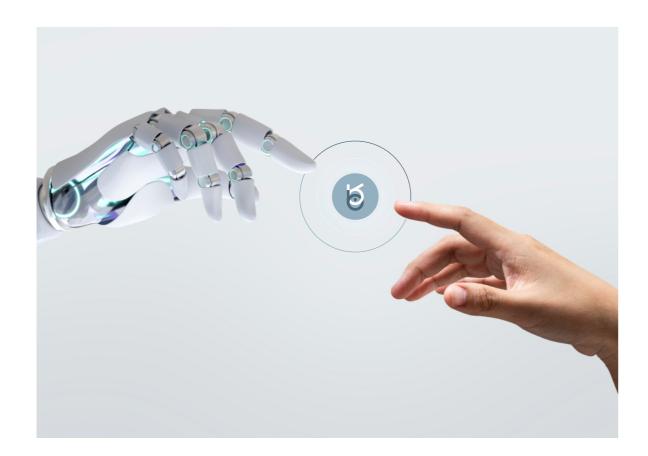


Introducing the wonder that is time - the very essence of human growth, knowledge transfer, and passing on genes to future generations. And now, with the help of science and human consciousness, we are exploring ways to expand our lifespan, bringing hope to the very concept of life itself. But to achieve a long and fulfilling life, we must first understand the factors that threaten both its quantity and quality. That's why we've developed machines with the ability to learn and achieve high accuracies, paving the way for a higher understanding of ourselves and more effective decision-making.

With better health comes a more effective life, and with wisdom, creativity, and perseverance, we can use our knowledge to provide opportunities for the survival of our fellow humans. And now, a new frontier has emerged - "eternal living" - thanks to the groundbreaking organization known as "Comma". Their revolutionary interspace technology offers limitless possibilities for extending our lifespan and unlocking our full potential.

Join us on this incredible journey towards eternal living and experience a brighter future than ever before.





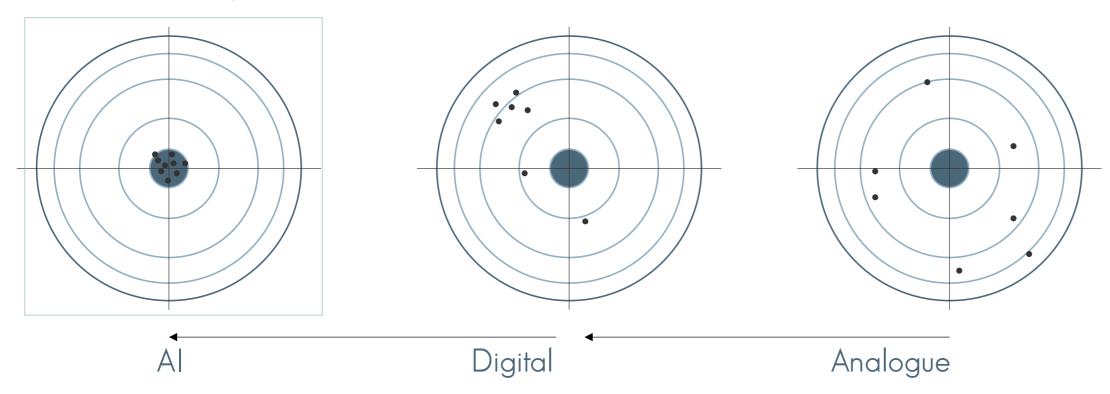


"Artificial intelligence will not replace radiologists, but radiologists who use AI will replace radiologists who don't"

Curtis P. Langlotz, MD, PhD Director of the Artificial Intelligence Center at Stanford Medicine



The world of artificial intelligence has a favorable uniformity due to the indefatigability of machines.



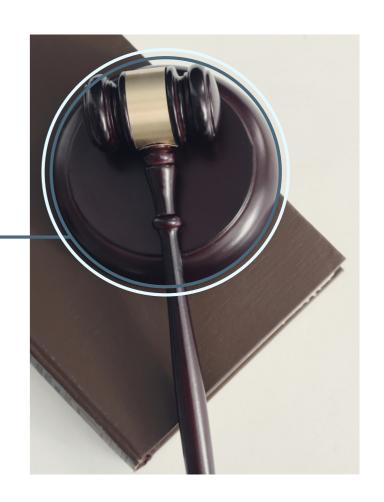
Accuracy is an improvable metric, which mankind has been trying to improve for many years. Recalling the significant enhancement of the accuracy in transferring from analog to digital technology, we are now at the edge of entering a new paradigm called artificial intelligence.



Medical complaint

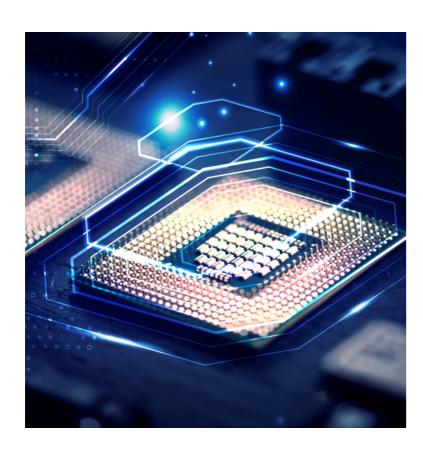


One of the most problematic issues among all professions is facing the legal consequences of medical complaints, which more frequently occur in radiology. Going through the diagnosis process by an artificial intelligence assistant as a professional supporter can reduce complications related to medical claims. There are 35000 claims yearly with 38% of medical mistakes.





In traditional CAD systems, the systems worked based on image processing and algorithmization developed by experts. In recent years, with the progress of artificial intelligence technologies in machine learning, specially deep learning technologies, highly complicated algorithms are established by the computer itself, which provides the opportunity of reducing the gap between learning with humans. This has led to the adoption of artificial intelligence in new applications including medicine.





In medical artificial intelligence technology, the system is trained by analyzing the images tagged by experts and hence learns to identify suspicious regions in unseen images. The more precise data (such as biopsy reports, etc.) is provided, the better the learning will be, leading to more accurate decision-making.



We believe that, in the first place, our solutions for early detection of breast cancer, alongside increasing the annual screening rate, can remarkably contribute to the eradication of breast cancer.

Machine is fast,







Radiologist's assistant as a second eye.



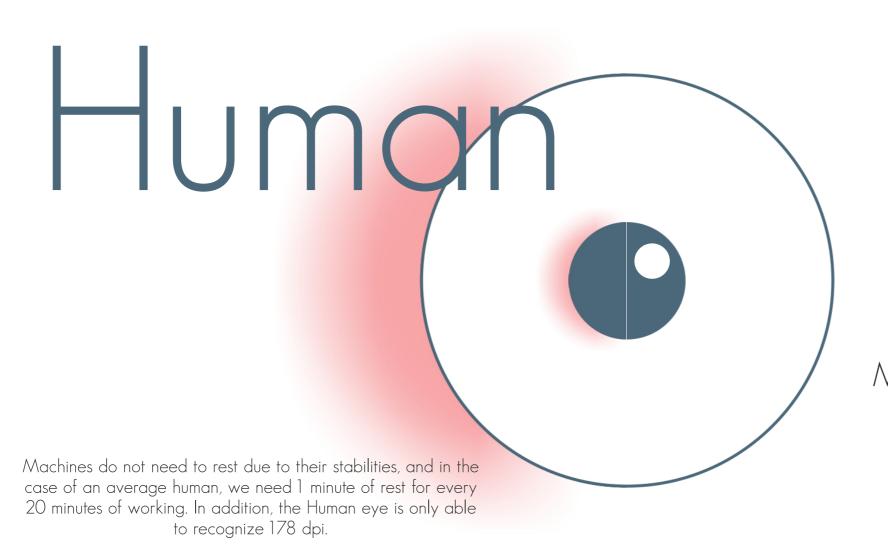
The AI technology has been trained on more than four hundred thousand mammogram images, along with several thousand positive biopsy tests, and is still learning. Artificial intelligence as a "second eye" helps radiologists to make faster and more accurate decisions, and having this "second eye" can decrease the number of missed cancerous cases in diagnosis.

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Technically, it has been proven that the artificial intelligence technology trained in 83.33% sensitivity, 75.8% specificity, AUC 88%, and more than 92% tumor capture rate is as accurate as an experienced radiologist! This accuracy is increasing every day.



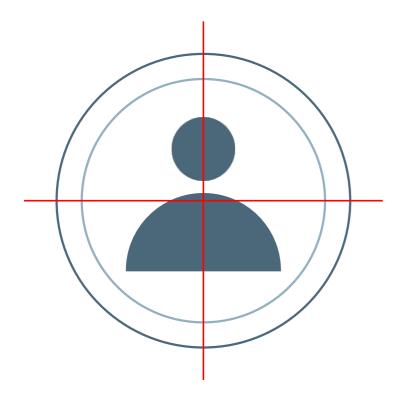
The problem of human limitations



Machines don't get tired Speed/Precision/Tireless



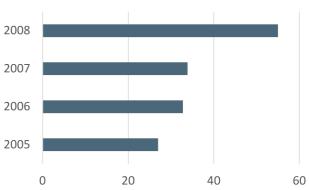
#### Personalized Medicine



Cancer after heart disease Vascular is the second most common cause of death in developed countries.

Cancer causes about 70% of new cases in less developed countries.







Artificial intelligence technology requires dedicated hardware with unique processing properties. Therefore, the Comma Med team designed and built a system using current knowledge to provide a high-quality experience of using Al.

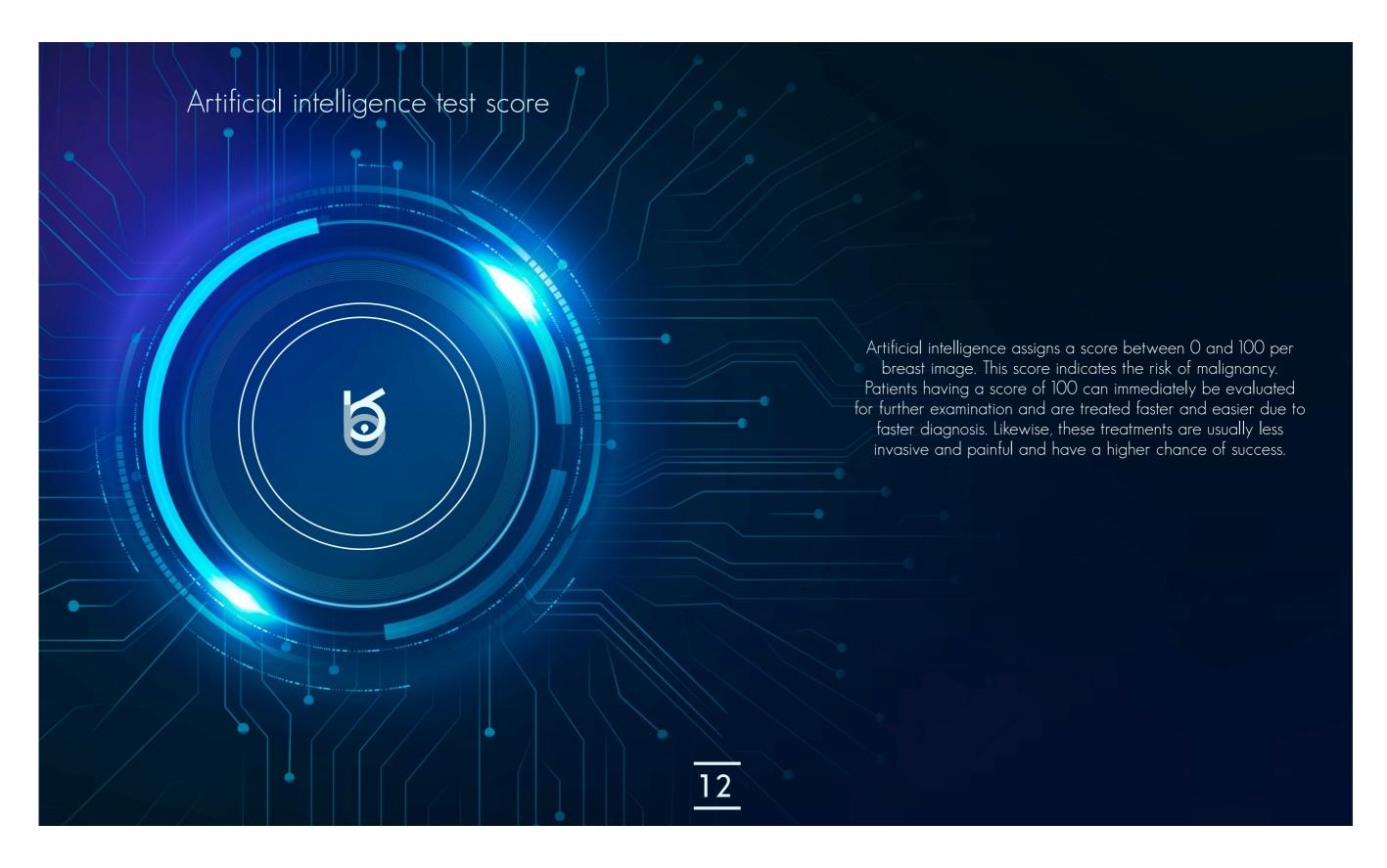
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Basic features:
- Artificial intelligence platform
- Report generator system

#### Al box

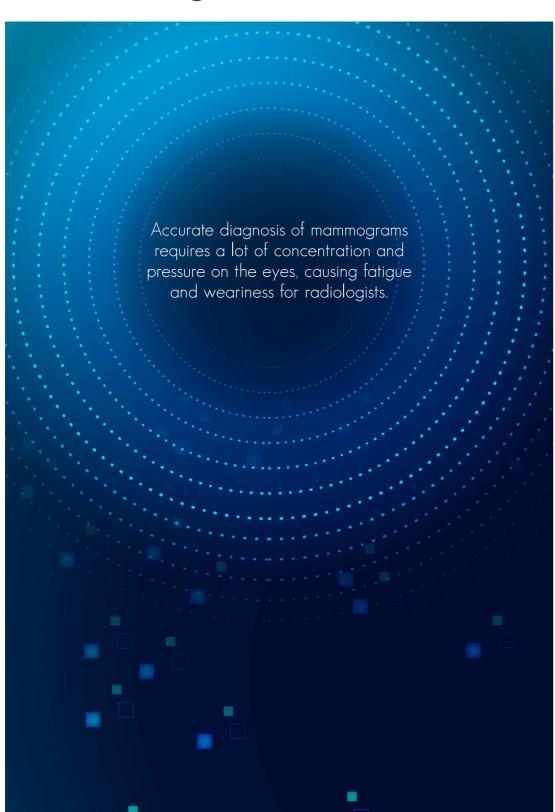








# Learning images more than the radiologist's life.





The number of images that our Al models are trained with is more than the number of images that a radiologists can see in their working life.

By using the artificial intelligence system, it is possible to diagnose faster and more accurately even without a medical monitor for radiologists.

"The human eye is only capable of seeing 178 dpi (dots per inch)"

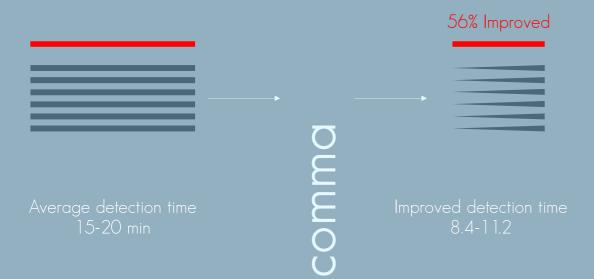




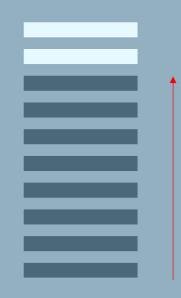




The first goal of using artificial intelligence plugins is to increase speed and stable accuracy.

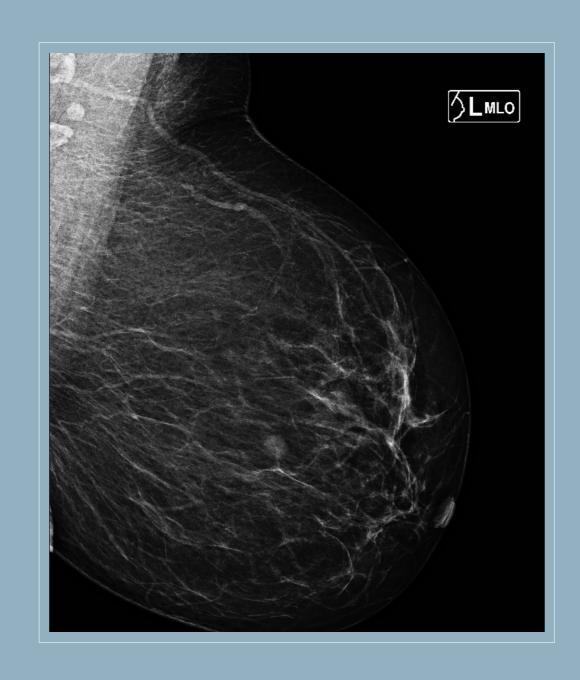






Increasing the diagnostic power of general radiologists by more than 88%



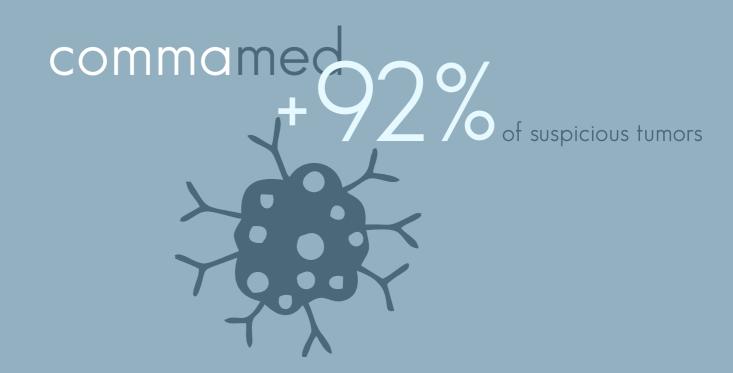


+400,000 Mammograms

Including +10,000 biopsy



Clinical trial courses at the Cancer
Institute





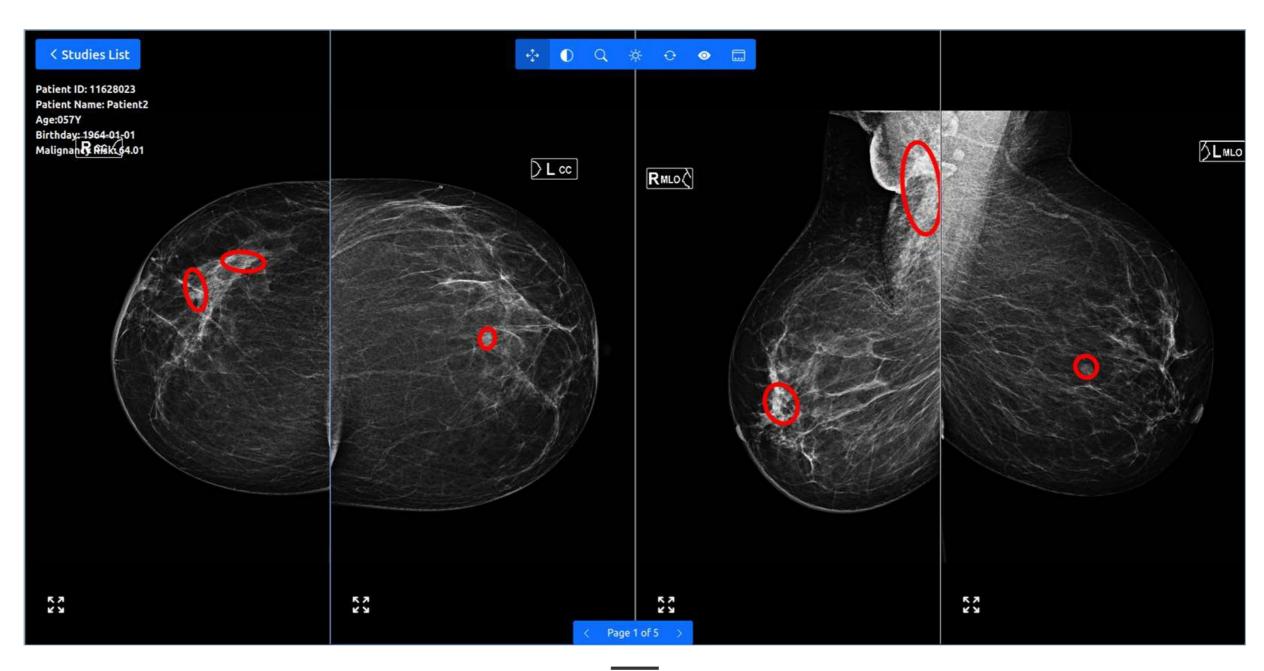
This score which is in the range of 0 and 100 represents the risk of breast cancer.

Scores that are above 50 demonstrate the patient BIRADS class is among 4,5,6.



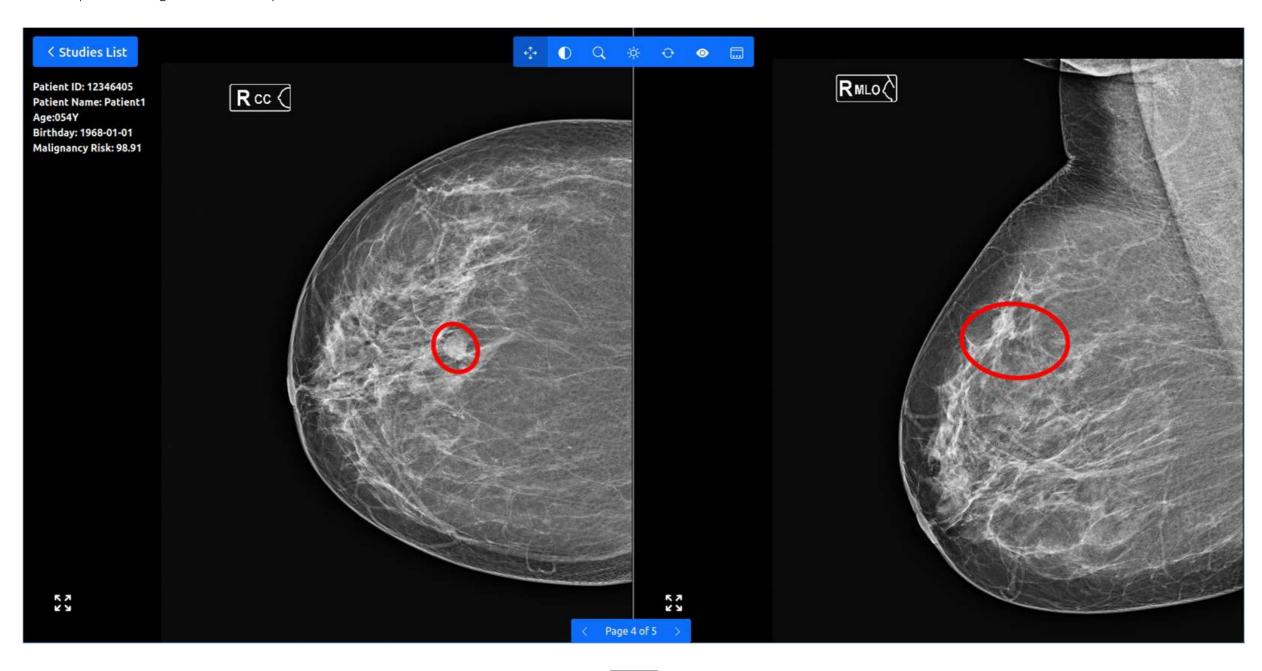


Help to separate Birads 3 and 4





Improved diagnostic accuracy for dense breasts



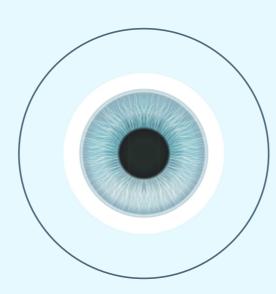




#### Prioritization of

observed patients based on infection risk.

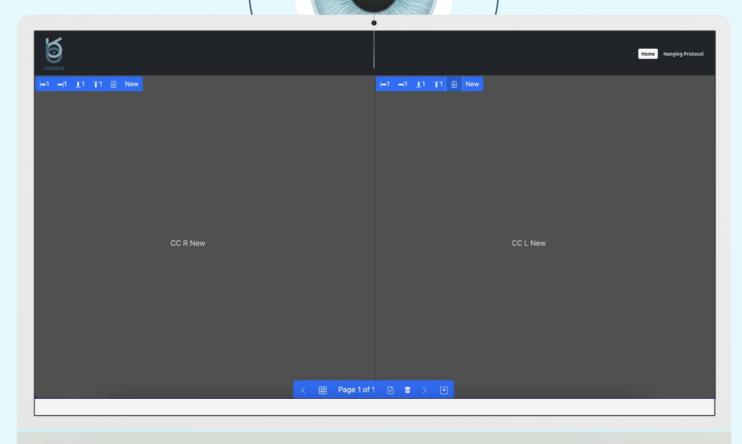
Several studies show that the accuracy of radiologists decreases by 60% from the beginning to the end of a working day. This prioritization will help high-risk patients to be examined earlier and more accurately.



- Internal PACS
- The ability to set hanging the desired priority protocol
- Generating radiology reports with just a few clicks
- Reducing the need for expensive monitors
- Ability to review images remotely
- Automated installation and usage processes

smart box features

# 6(AVUGITANIE atures





The ability to set hanging of the desired priority protocol



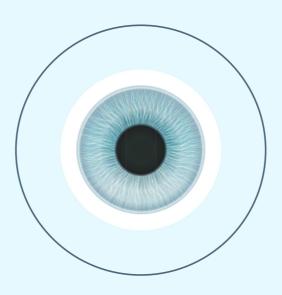
comma



#### Internal PACS







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### Generating radiology reports with just a few clicks

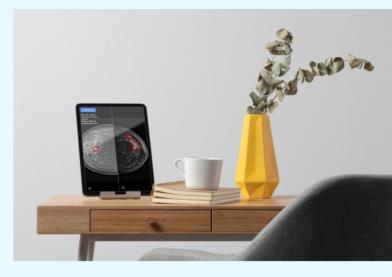








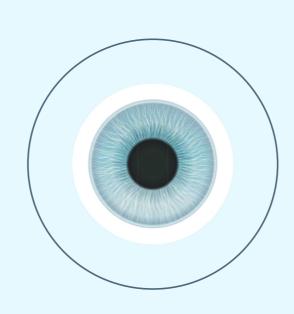
Ability to review images remotely



Don't need Expensive monitor



Reducing the need for expensive monitors

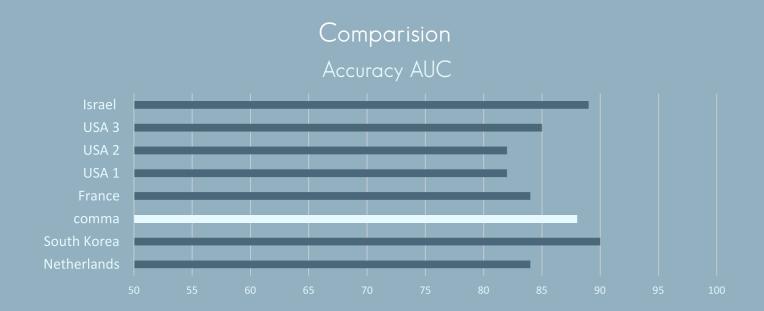


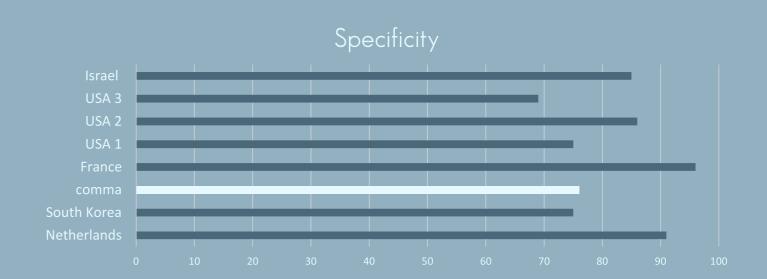


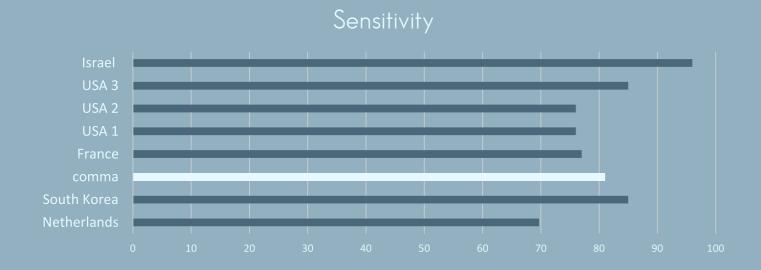
Use it any time any where

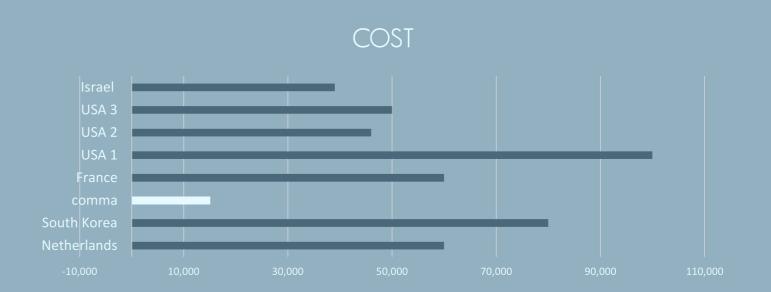


## **るCVVU**

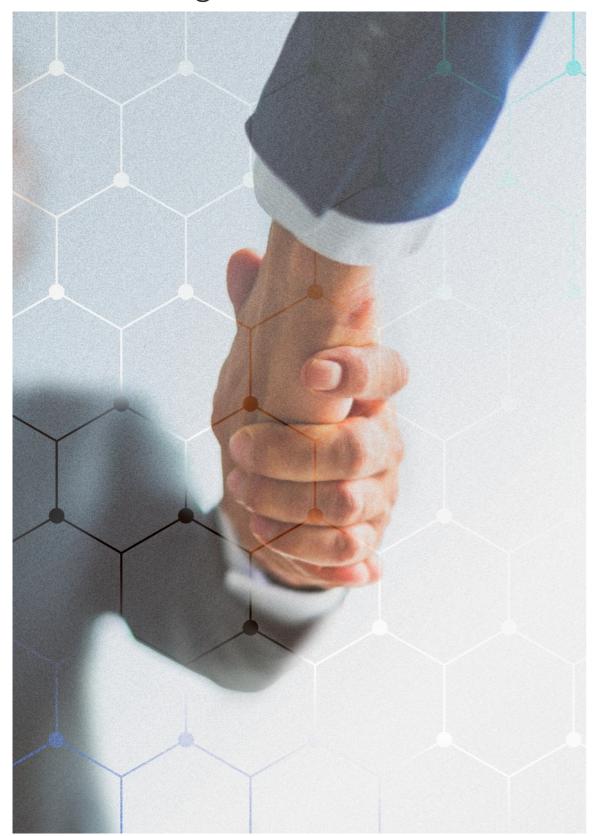








### Our colleagues



























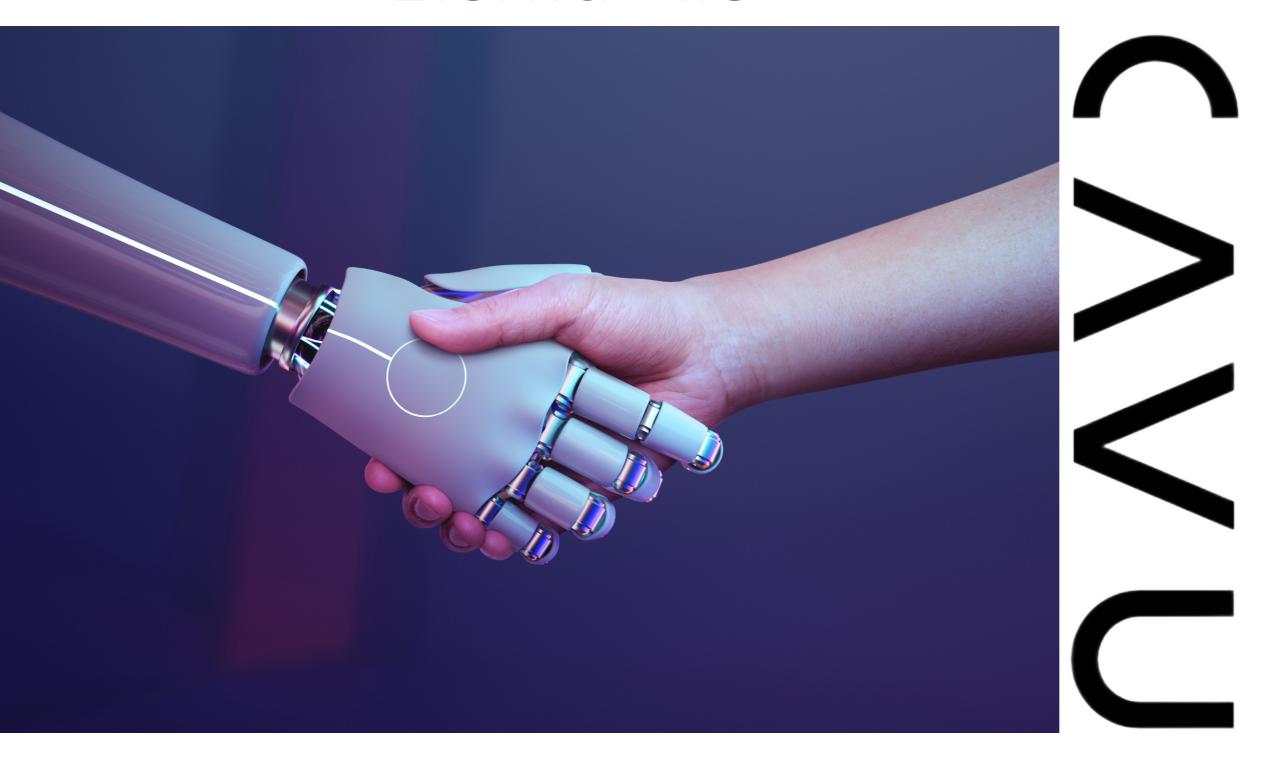








## Eternal life





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