

# Mamma.

Early detection of breast cancer is much more accurate with Mamma.

# 3 different method



Three different method for cancer detection.

- 1.Xray scanner
- 2.Cell imaginary technique
- 3.Algorithmic test

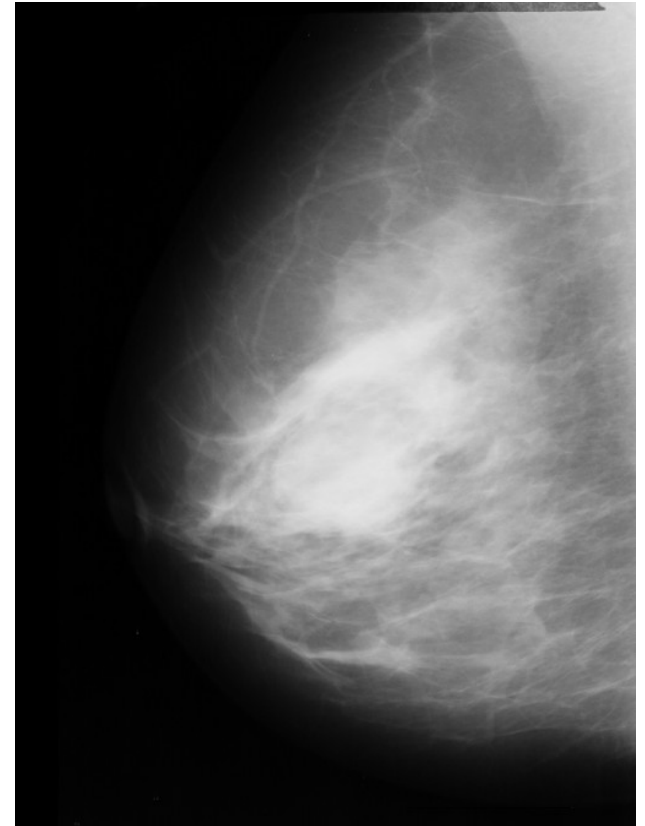
# Xray

One of the most reliable way in accurate cancer detection.

But it sometimes challenging even for experienced doctors to identify cancerous tissue and classify it.

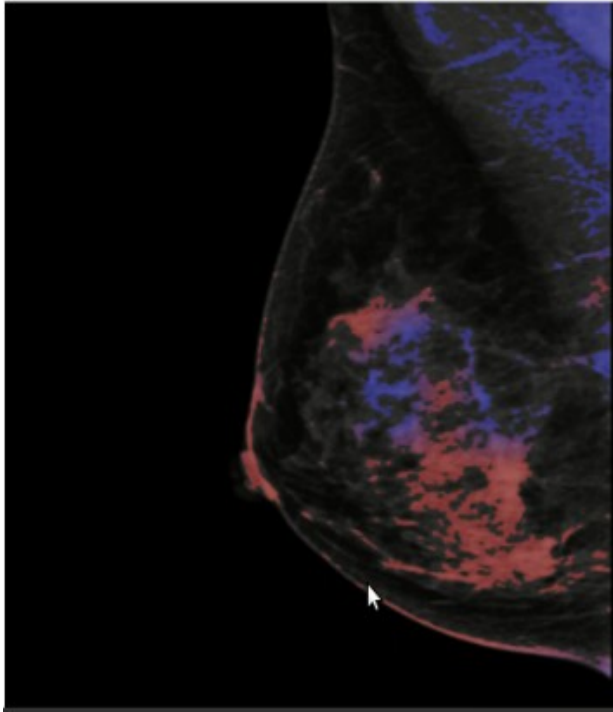
Every decision made by doctor has huge effect in patient's life.

Our own AI based Xray scanner can identify these tissue in seconds. Even it is trained on very small dataset about 2 hours .Still results quite satisfactory.

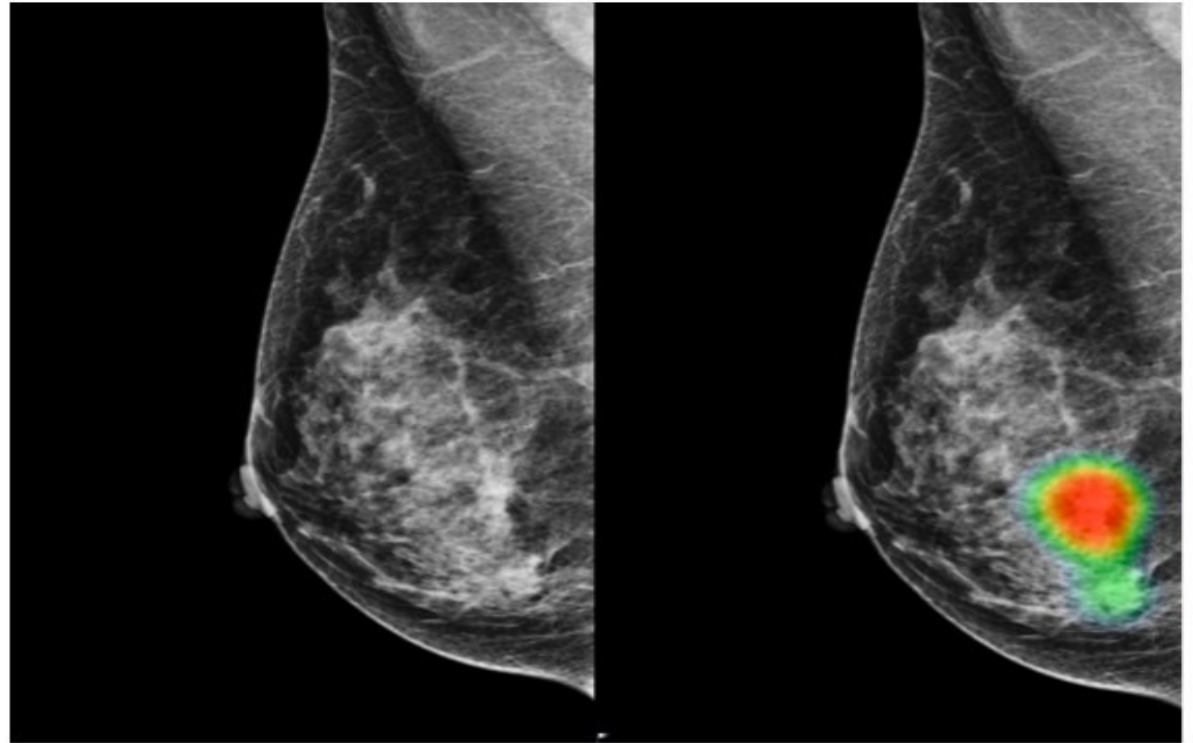


# Real Case

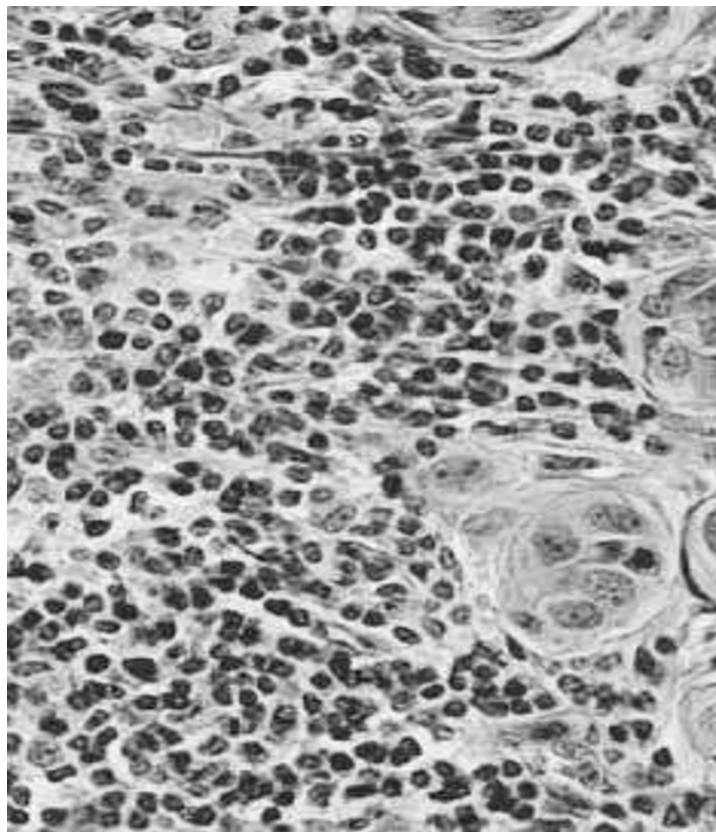
Out network output



Taken from Google  
With doctor cancer lump indication



# Microscopic cell image



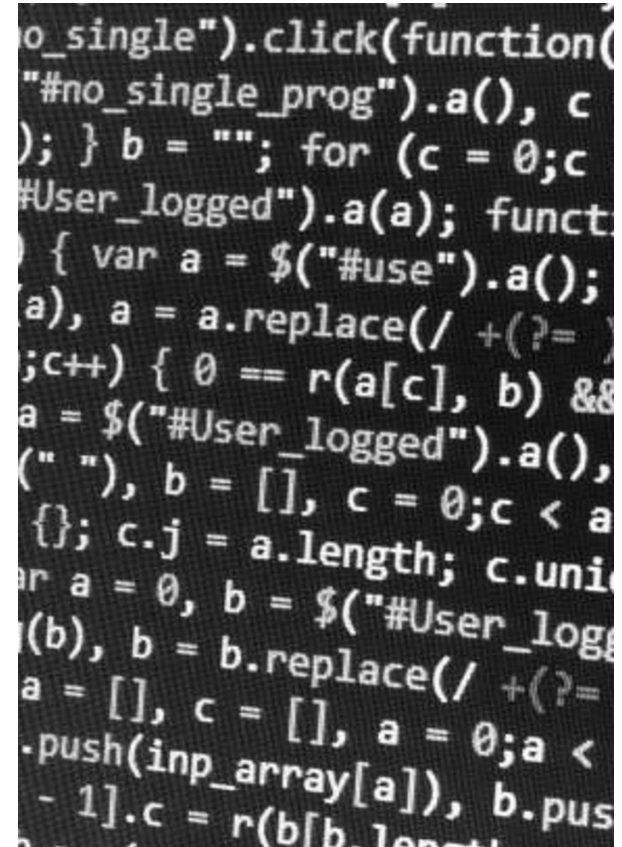
Microscopic cell imaging technique is quite important for classification of breast tissue as cancer or normal.

Our machine learning system can classify these tissues very easily.

# Algorithmic test

Mammography or cell tissue tests are common and important for breast cancer early detection. But these tests still not exists most of the under-developed or undeveloped poor countries or maybe women is simply to shy or scared to take these tests above. To solve this problem and help these peoples we suggest algorithmic test which aims to identify cancerous lump,cyst by answering few questions.

Not so effective or accurate but might help early detection phase.



```
o_single").click(function(  
"#no_single_prog").a(), c  
); } b = ""; for (c = 0;c  
#User_logged").a(a); funct  
{ var a = $("#use").a();  
a), a = a.replace(/ +(?= )  
;c++) { 0 == r(a[c], b) &&  
a = $("#User_logged").a(),  
(" "), b = [], c = 0;c < a  
{}; c.j = a.length; c.uni  
ar a = 0, b = $("#User_logg  
(b), b = b.replace(/ +(?= )  
a = [], c = [], a = 0;a <  
.push(inp_array[a]), b.pus  
- 1].c = r(b[b.length
```

# After detection.

If test is positive then this stage is absolutely one of the most sensitive ,important phase in women's life.

They need pyschological support and help. They should learn how to deal with cancer both mentally and physically. To support this lifestyle out app provides weekly fighting tips against breast cancer and reminder for monthly algorithmic test.

All these a email registration away.





# Weekly Notification

Notifies users with weekly tips about breast cancer and healthy lifestyle

Reminds monthly check-up's



## Breast Cancer Weekly Tips

Here are the weekly tips for healthy and breast cancer-free lifestyle.



Evidence suggests a link between smoking and breast cancer risk, particularly in premenopausal women.



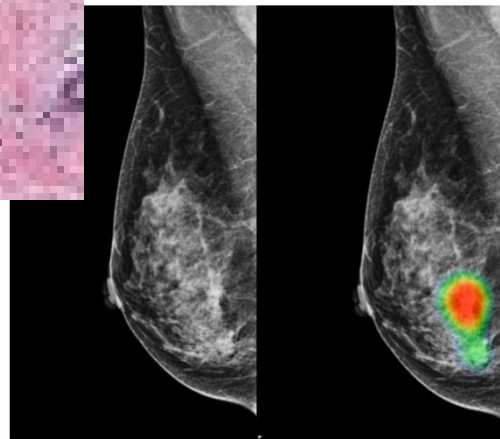
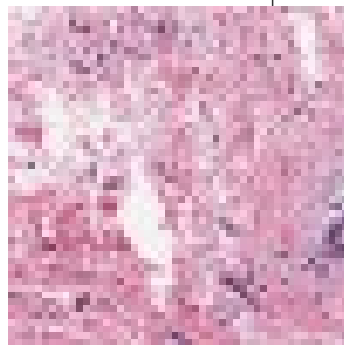
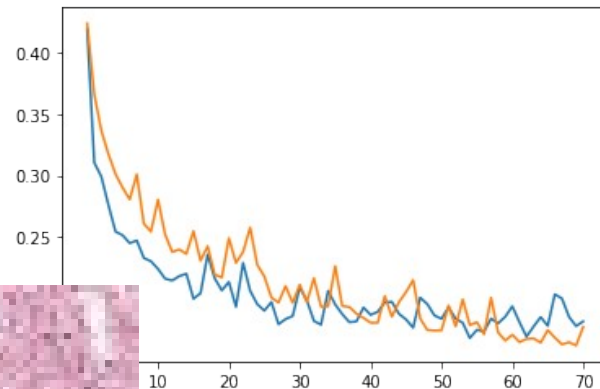
Breast-feeding might play a role in breast cancer prevention. The longer you breast-feed, the greater the protective effect.



# Datasets

There no doubt If there was not any dataset,data about breast cancer cell imaging or xray mammography All these would not be possible.But dataset I used was quite challenging because there were mostly normal xray images just ~100 images belonging to cancerous lumps.

I used Mias dataset for xray mammography detection. And Breast Histopathology Images by Paul Mooney .



Have a good cancer-free day !

Thank you for your attention