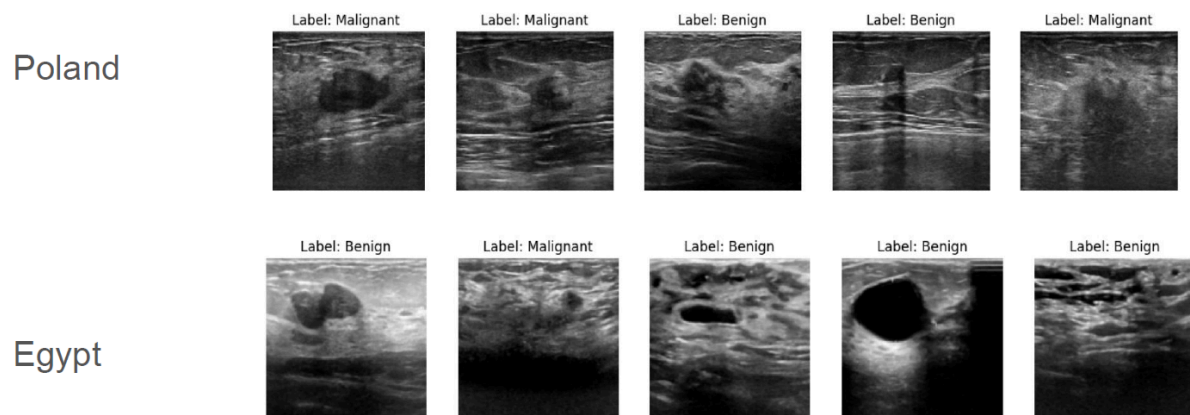
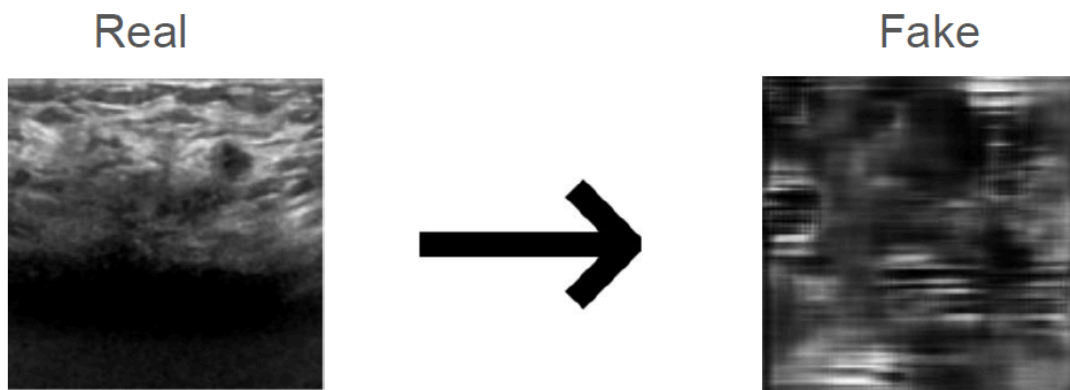


(1) real images of benign and malignant

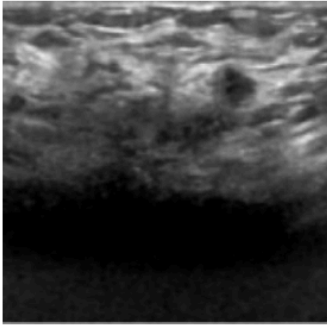


(2) WGAN improvements

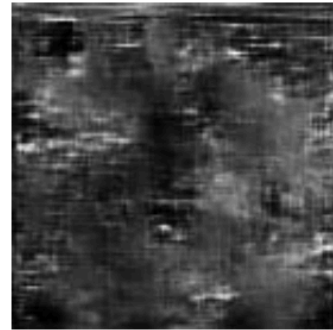


(3) WGAN improvements

Real

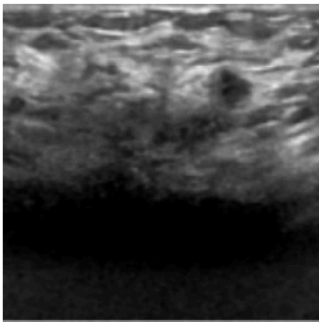


Fake

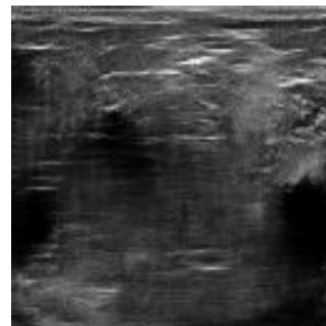


(4) WGAN improvements

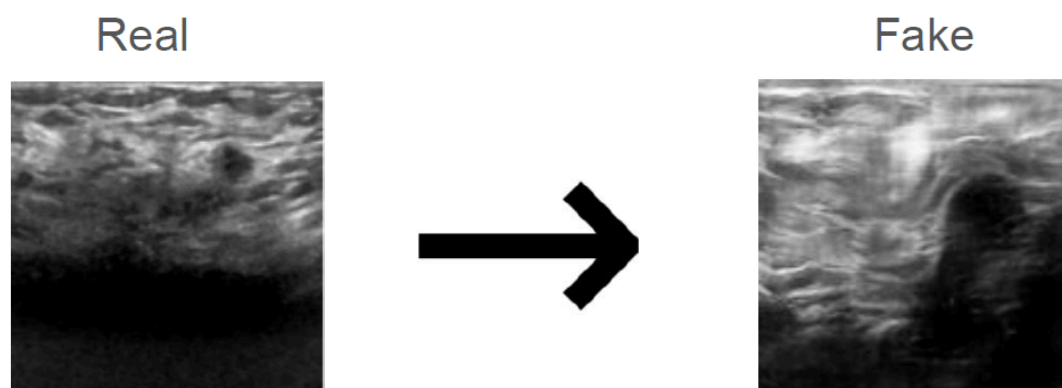
Real



Fake

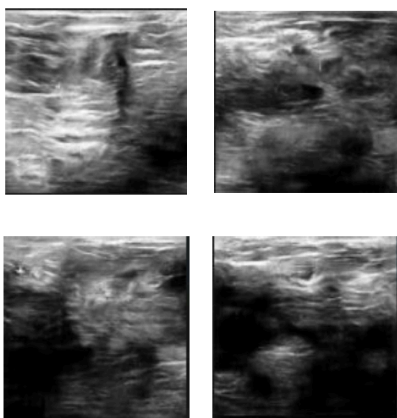


(5) WGAN images (satisfactory)

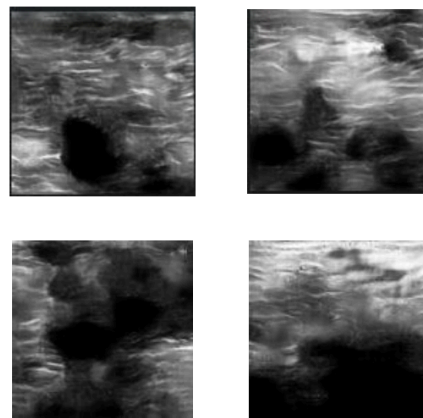


(6) WGAN images

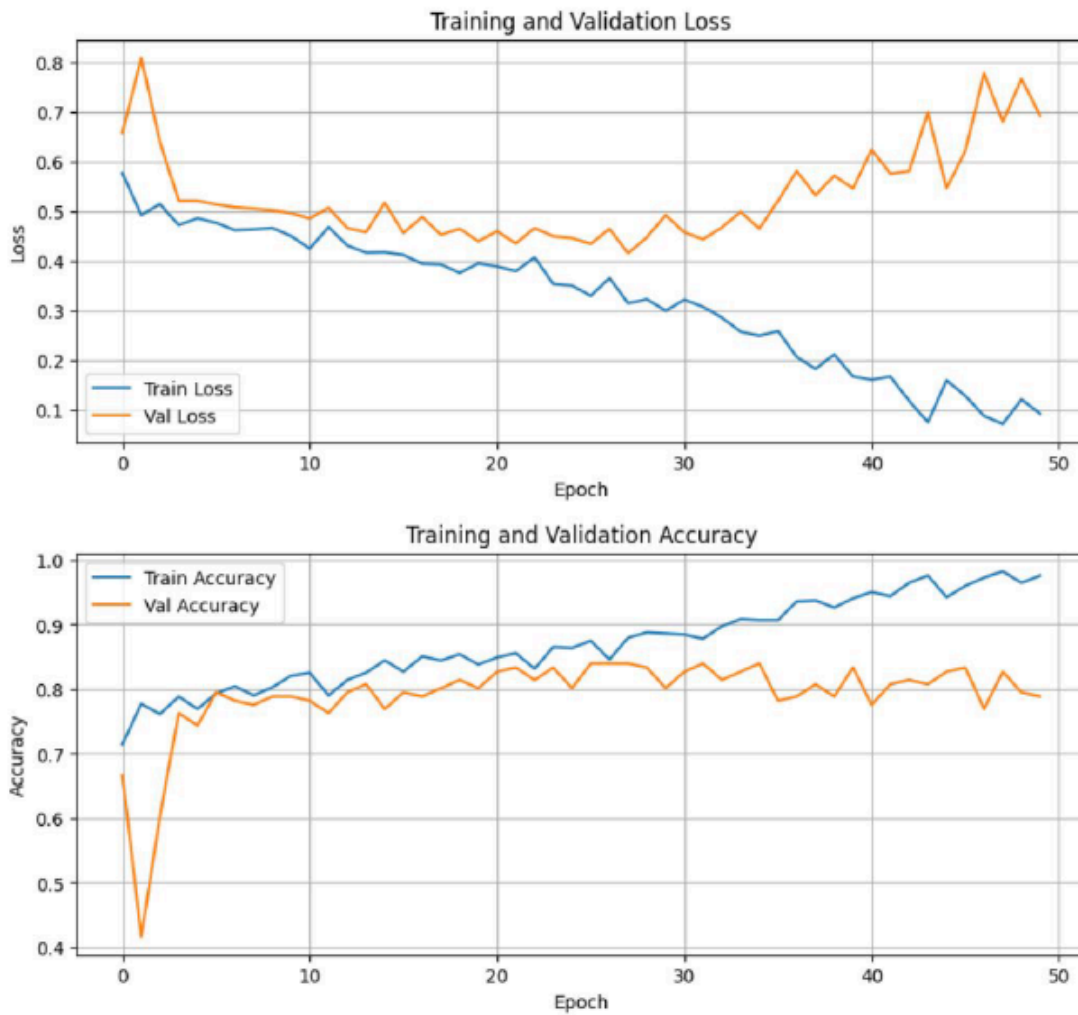
Benign:



Malignant:



(7) Model training and loss, overfitting because of a small dataset, even with dropout and a regularizer



(8) F1 score, precision, recall. Recall on the malignant is highly problematic in real world applications

	precision	recall	f1-score
Malignant (0)	0.7027	0.5417	0.6118
Benign (1)	0.8151	0.8981	0.8546