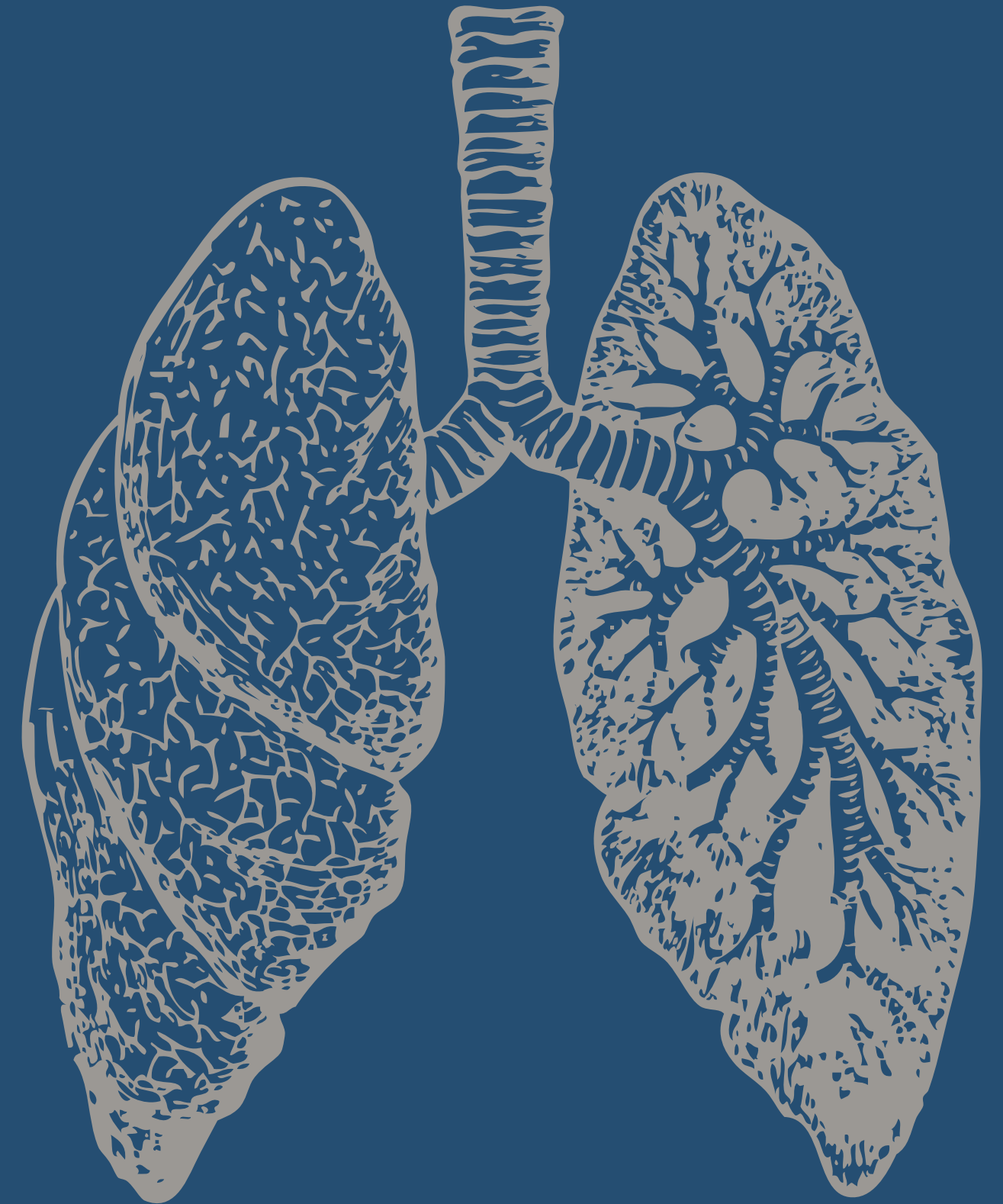


PRESENTER: JONNY HOFMEISTER

Identifying Pneumonia via Chest X-Ray and Neural Net



Content Synopsis

Pneumonia

X-Ray Data

Convolutional Neural Network

Results

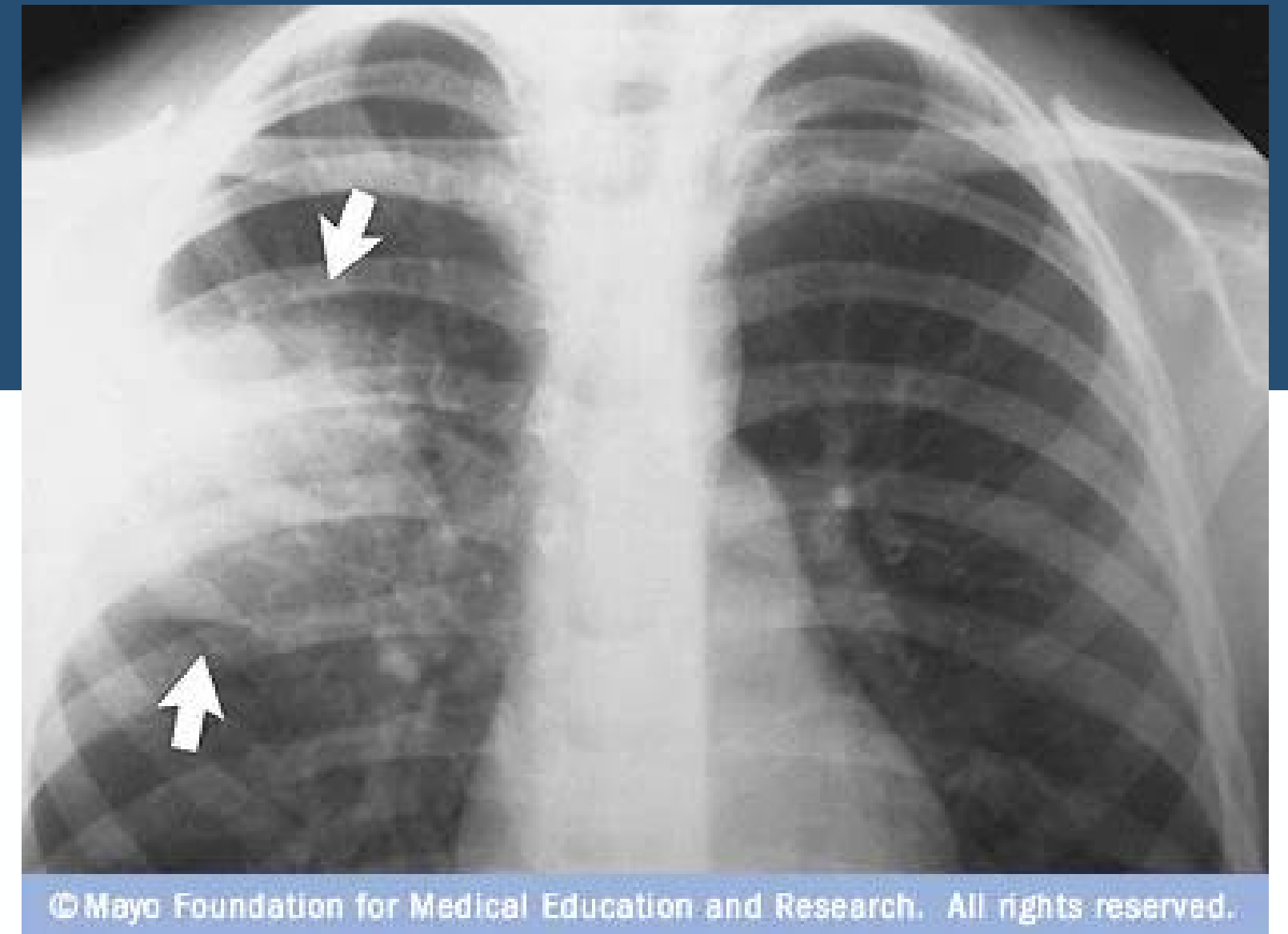
Evaluation

Next Steps



[Image Source](#)

Pneumonia in X-Rays

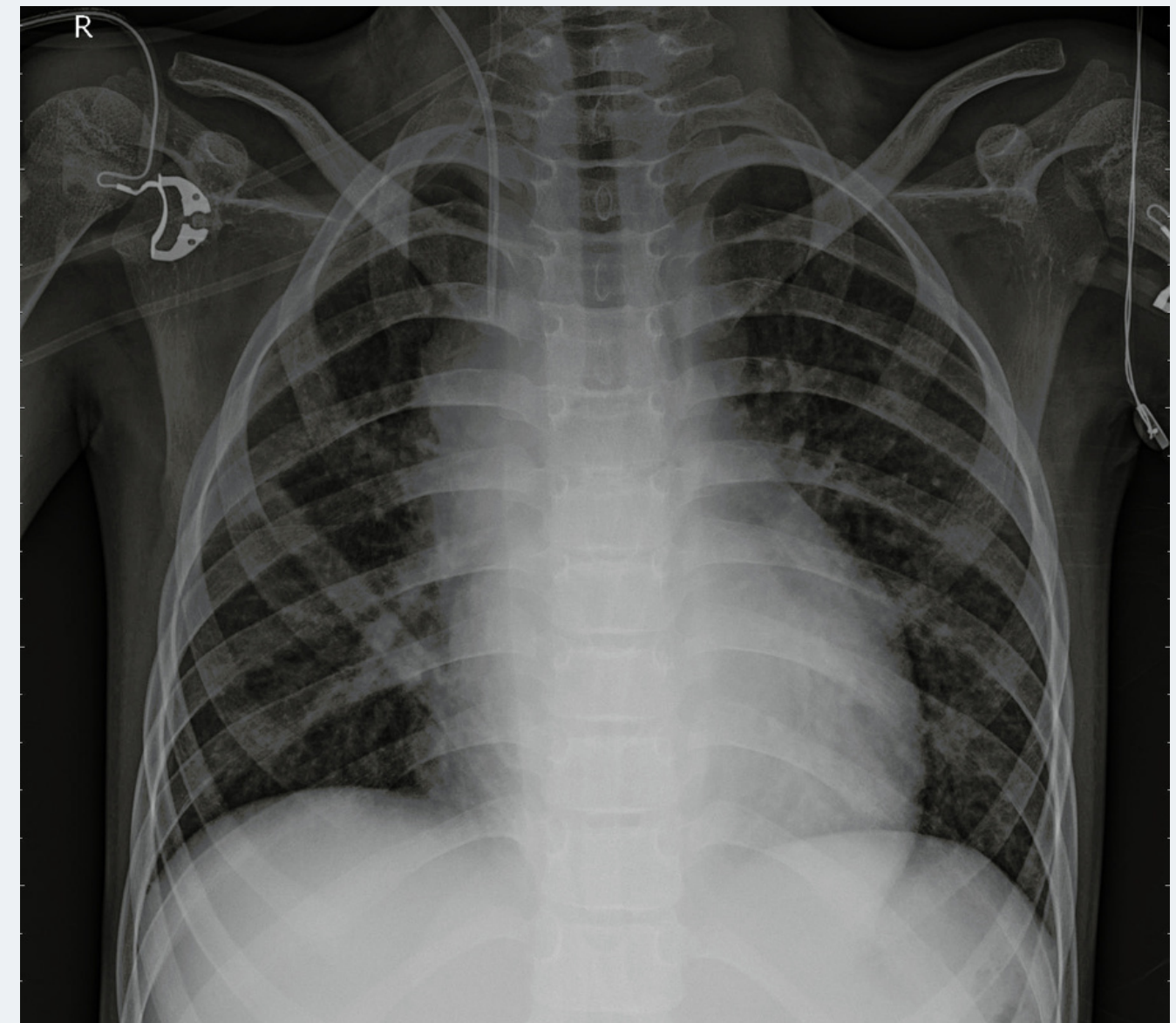
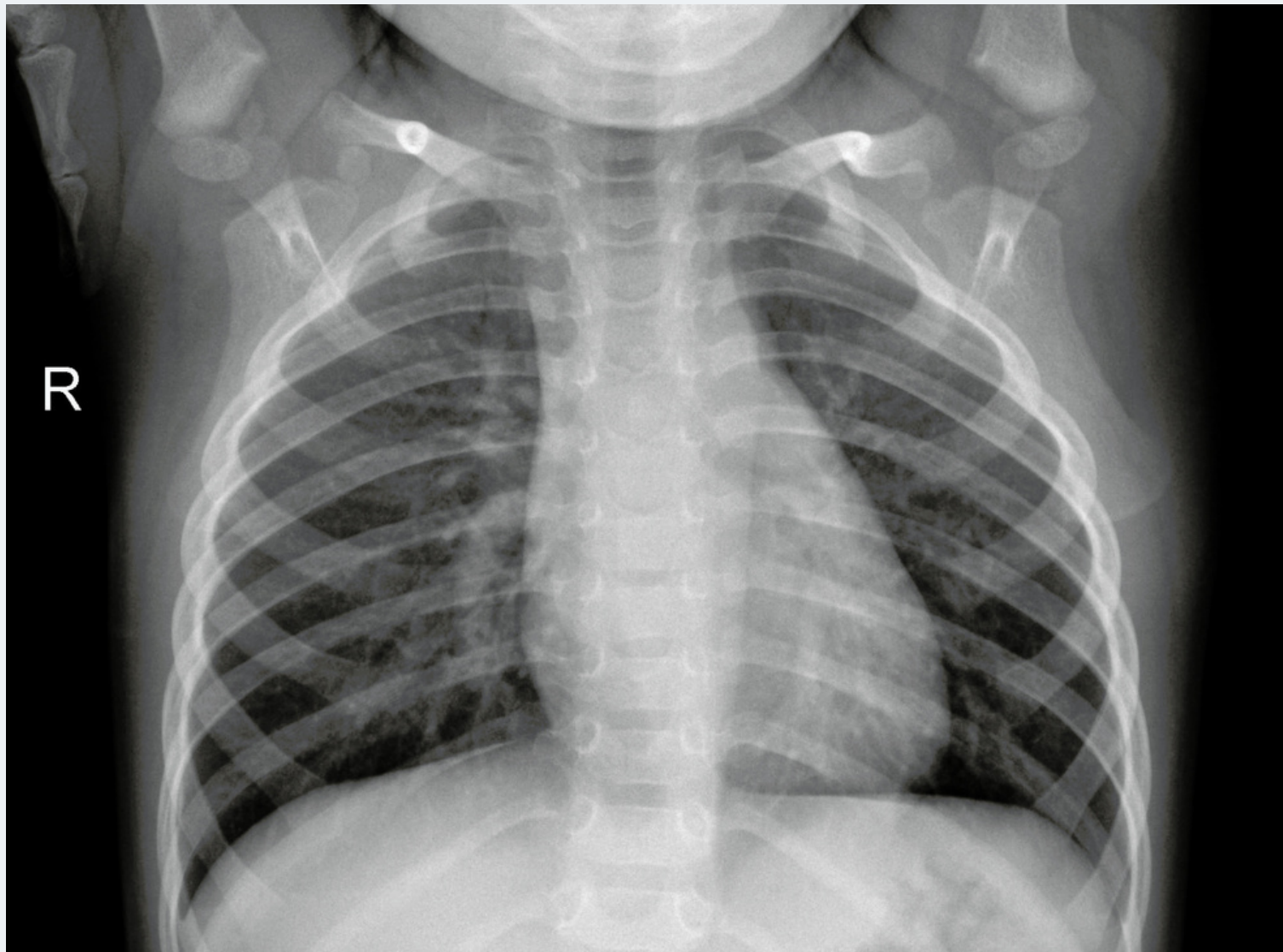


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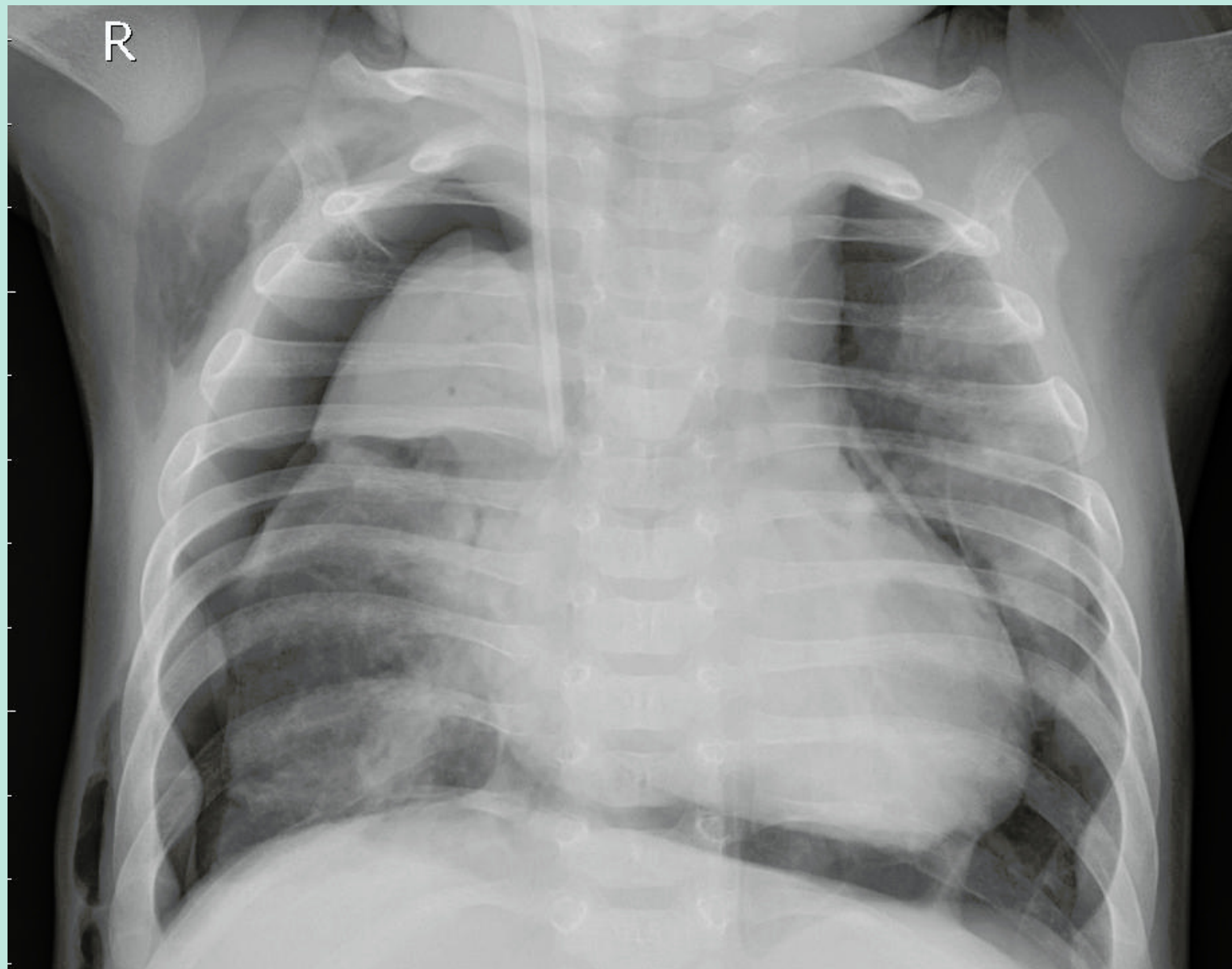
[Source](#)



The Data: Which one has Pneumonia?



Source: Mendeley.



[Source: Mendeley.](#)

Why a Neural Network?

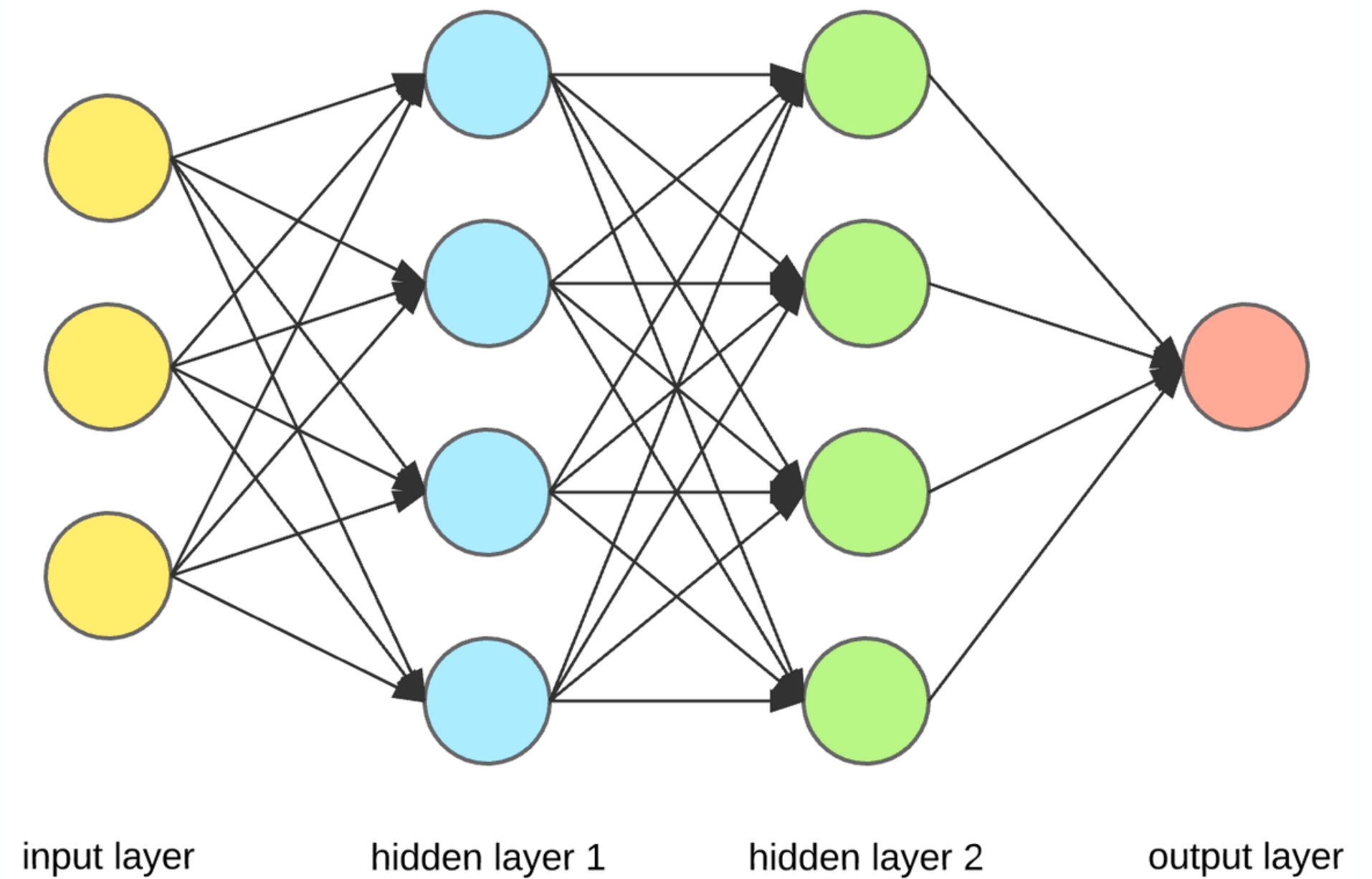


Image Source



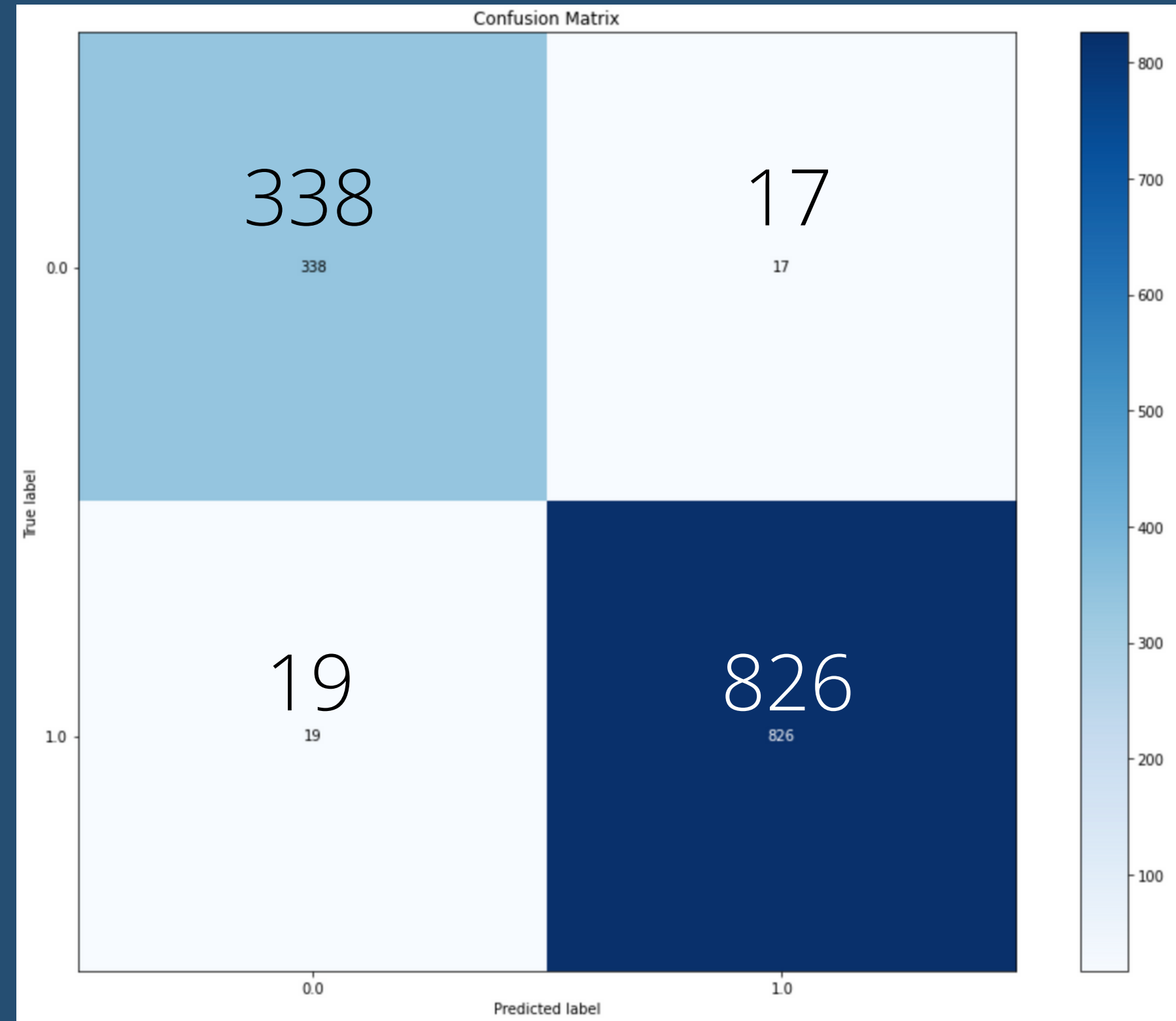
Results

2-LAYER

94%

CNN

97%



Whats Next?



[Image source](#)

Evaluation and Conclusions



[Image source](#)



[image Source](#)

Thanks!

Presenter: Jonny Hofmeister

Email: jonny.hofmeister@gmail.com

GitHub Project link

https://github.com/jonnyhof/xray_image_classification