



# Chest X-Ray Classification And Bone Removal

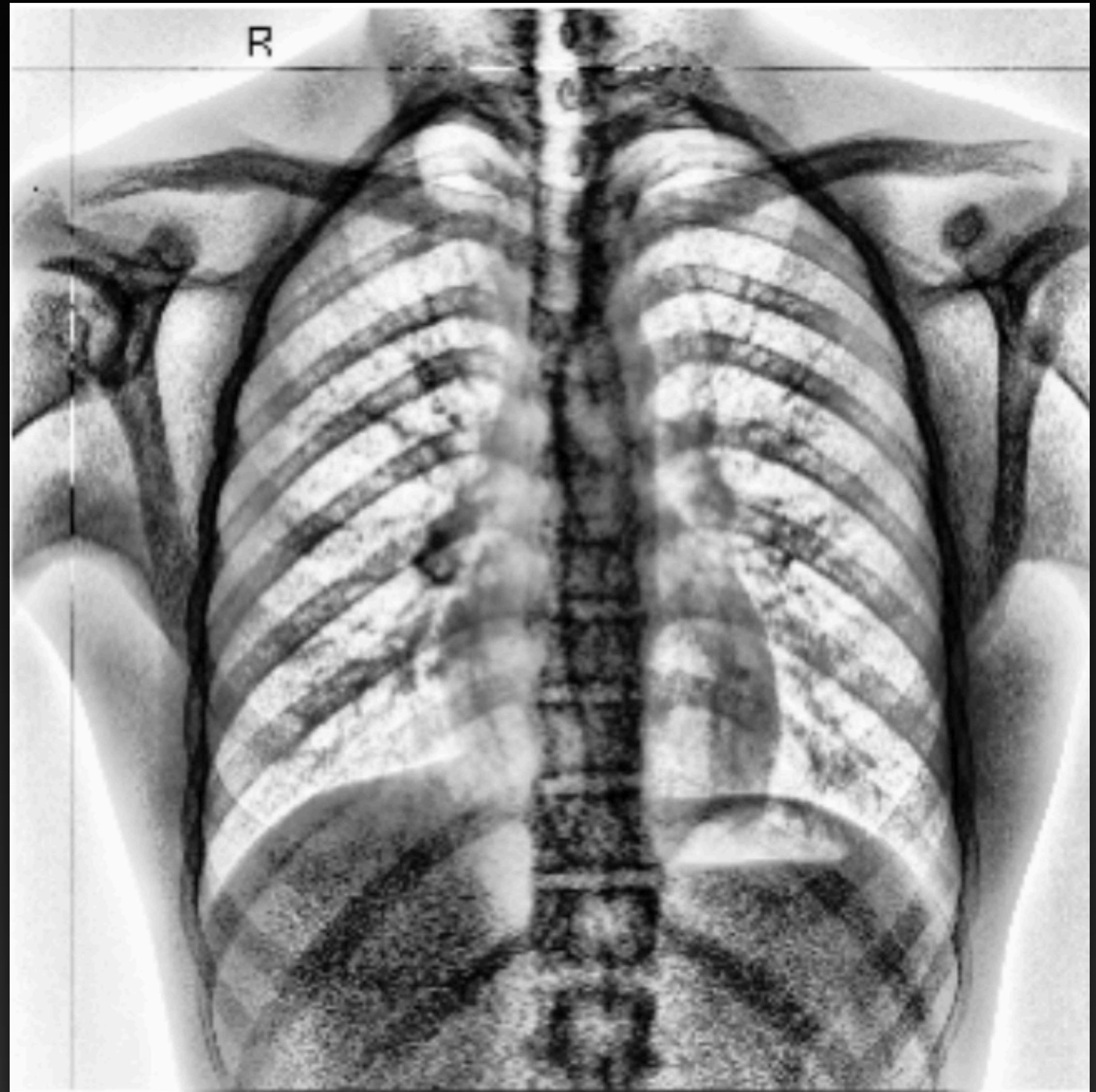
Brent Thayer



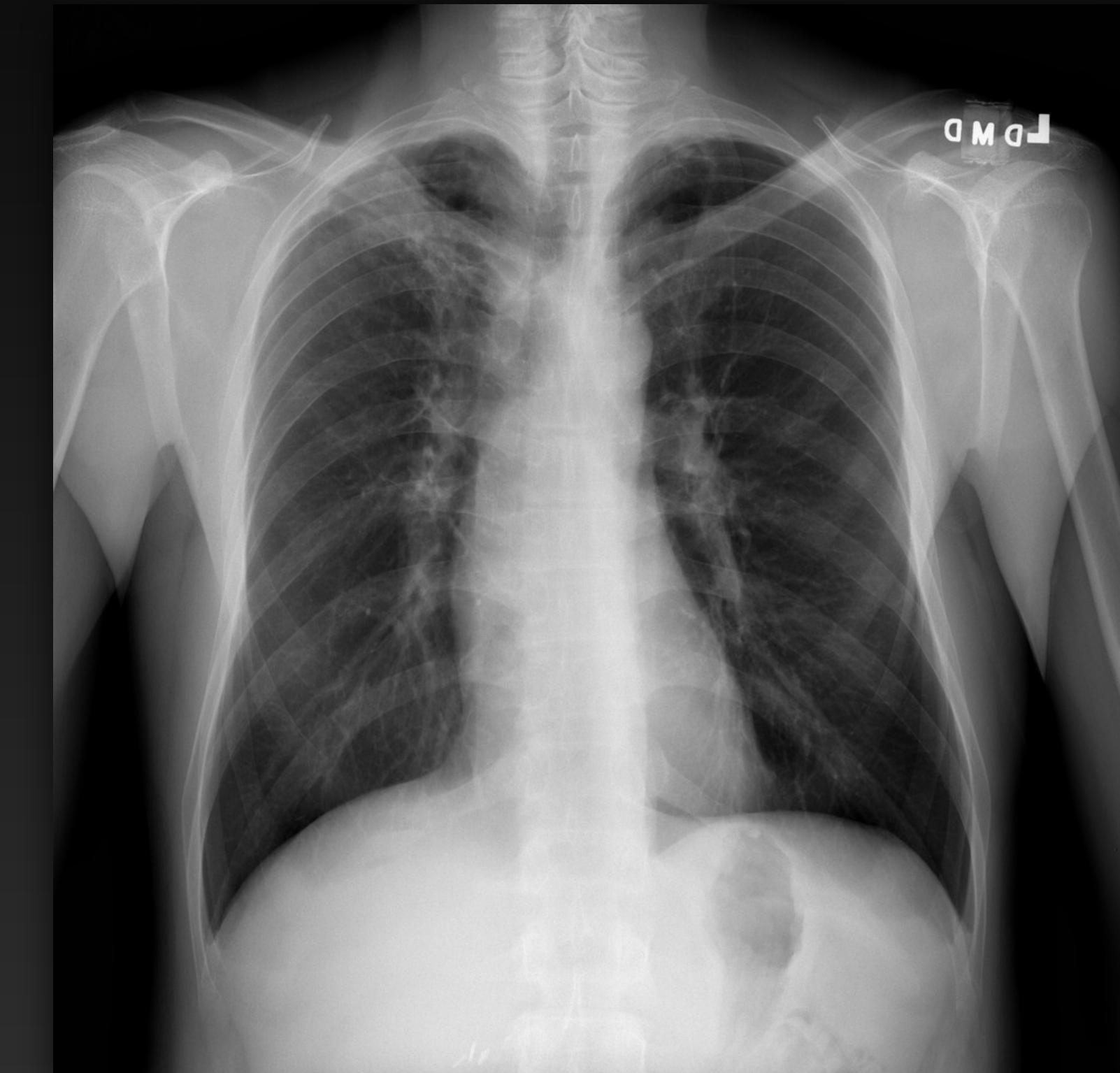
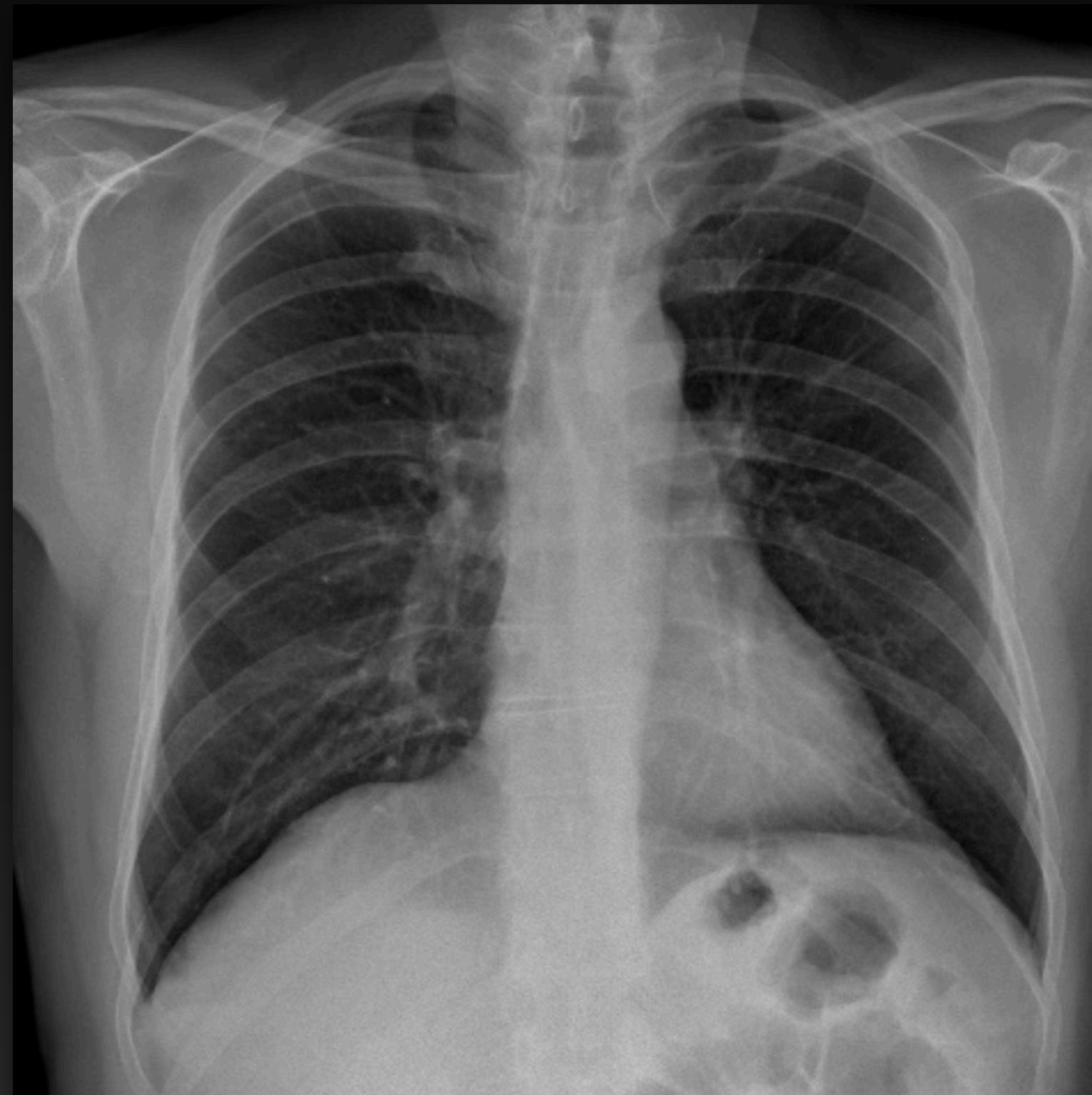
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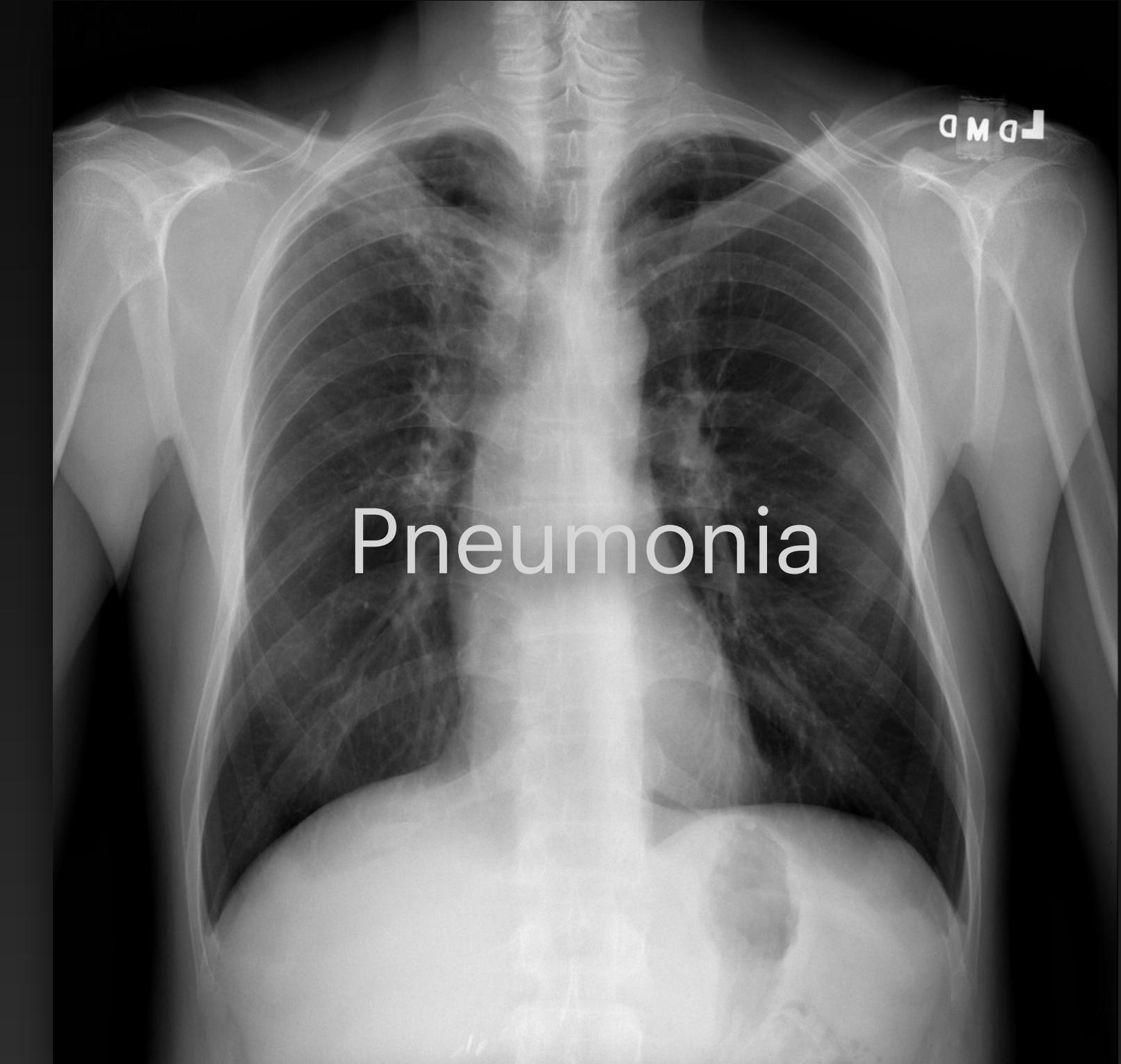
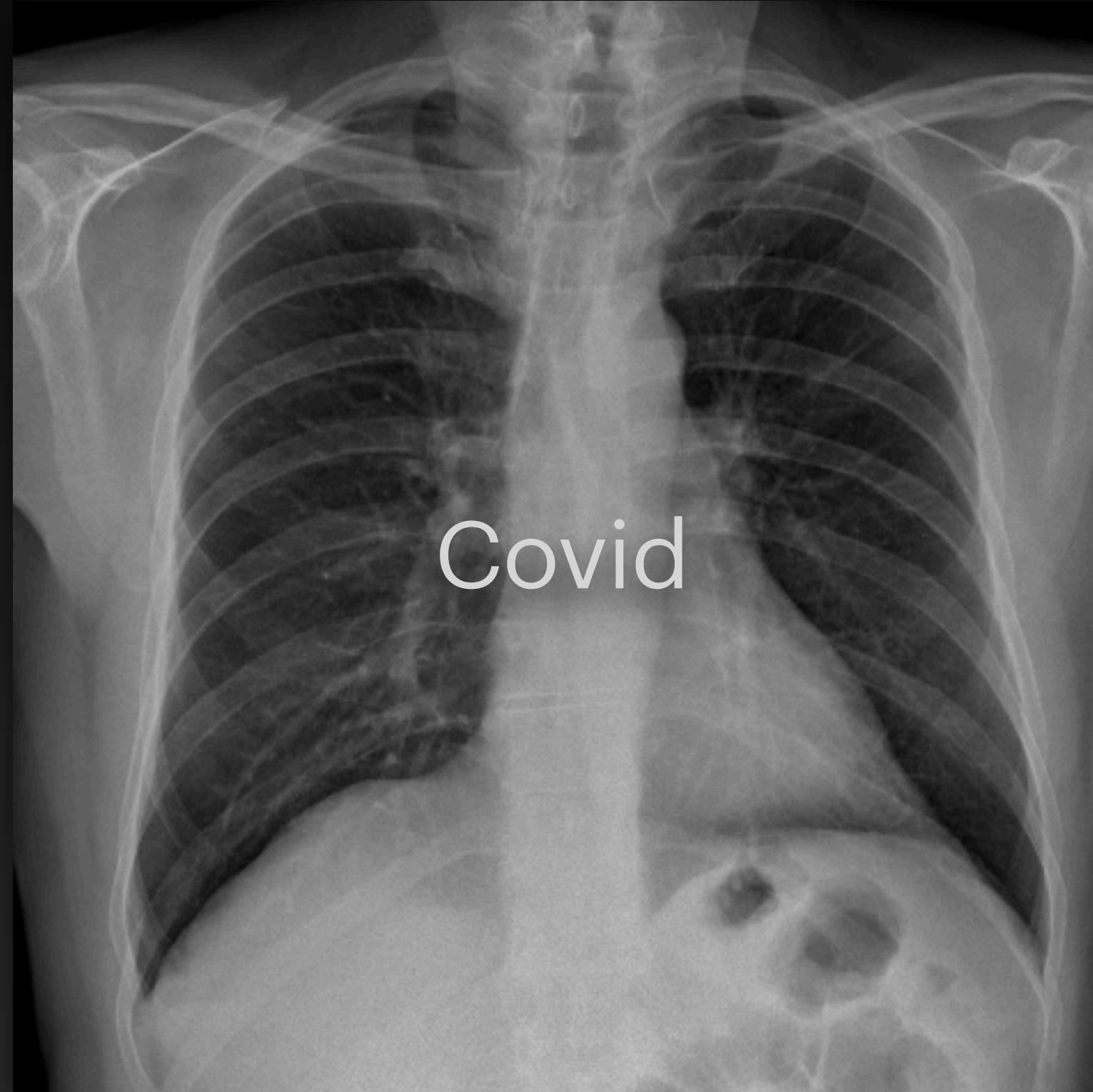
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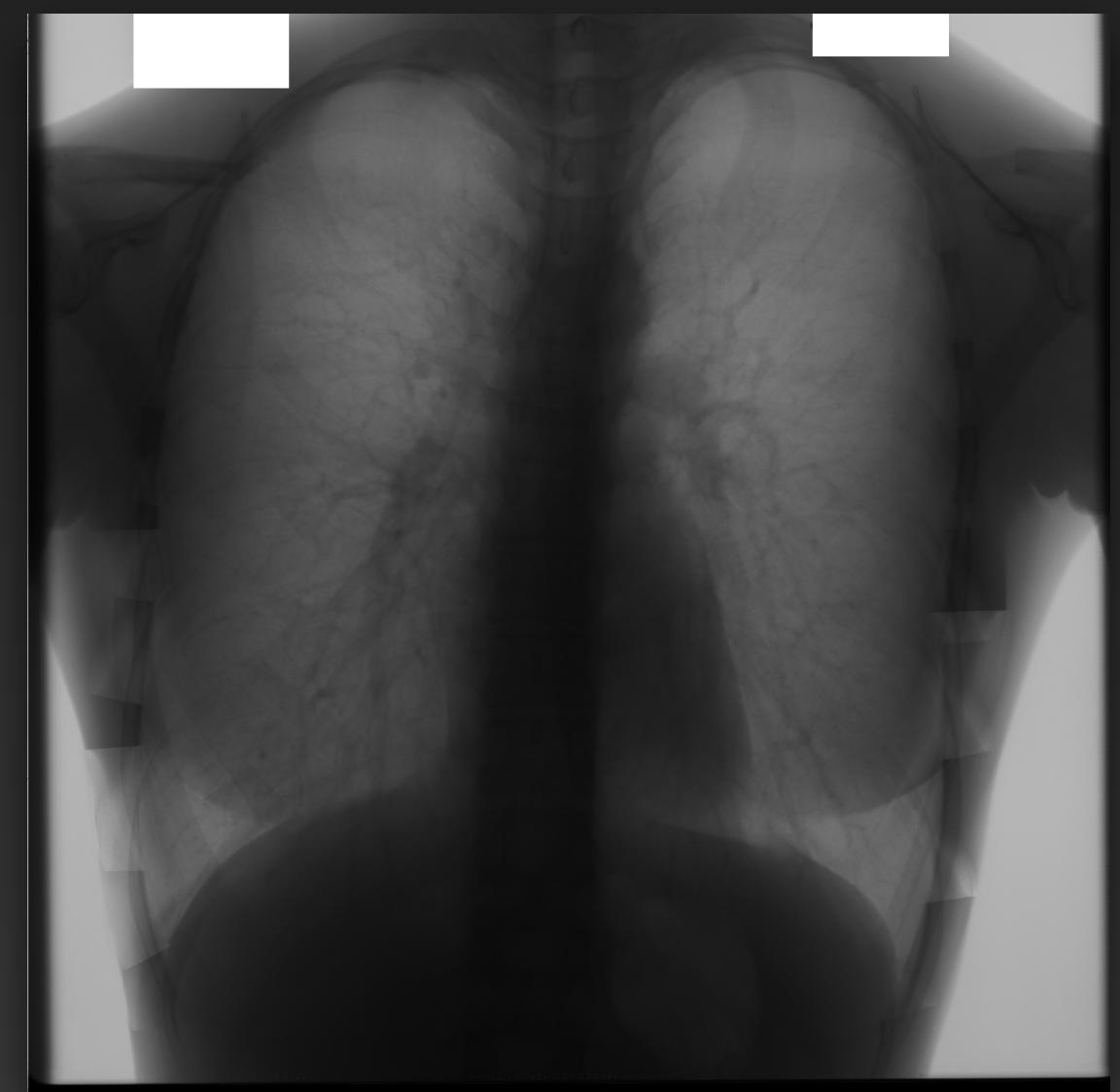
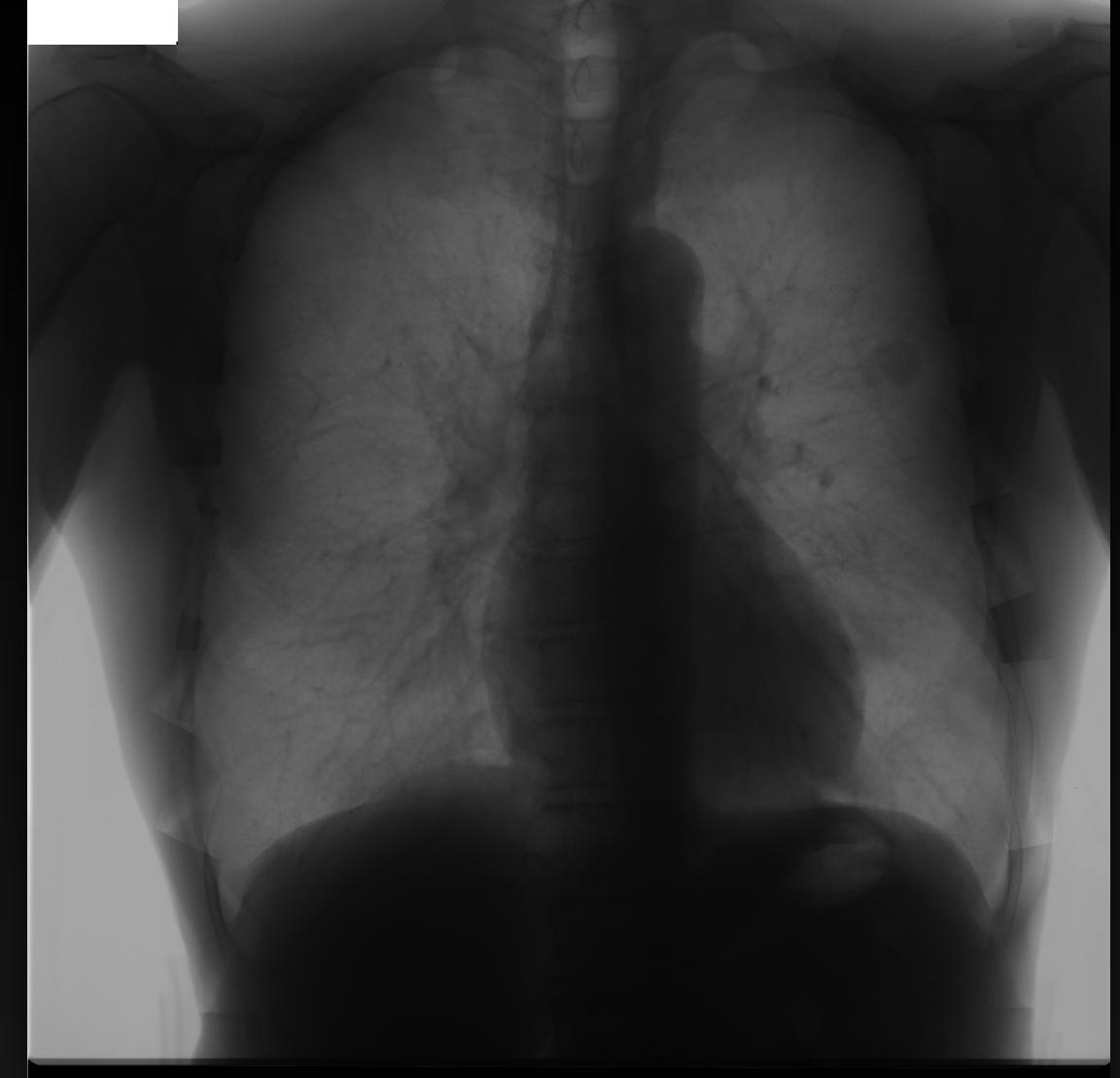
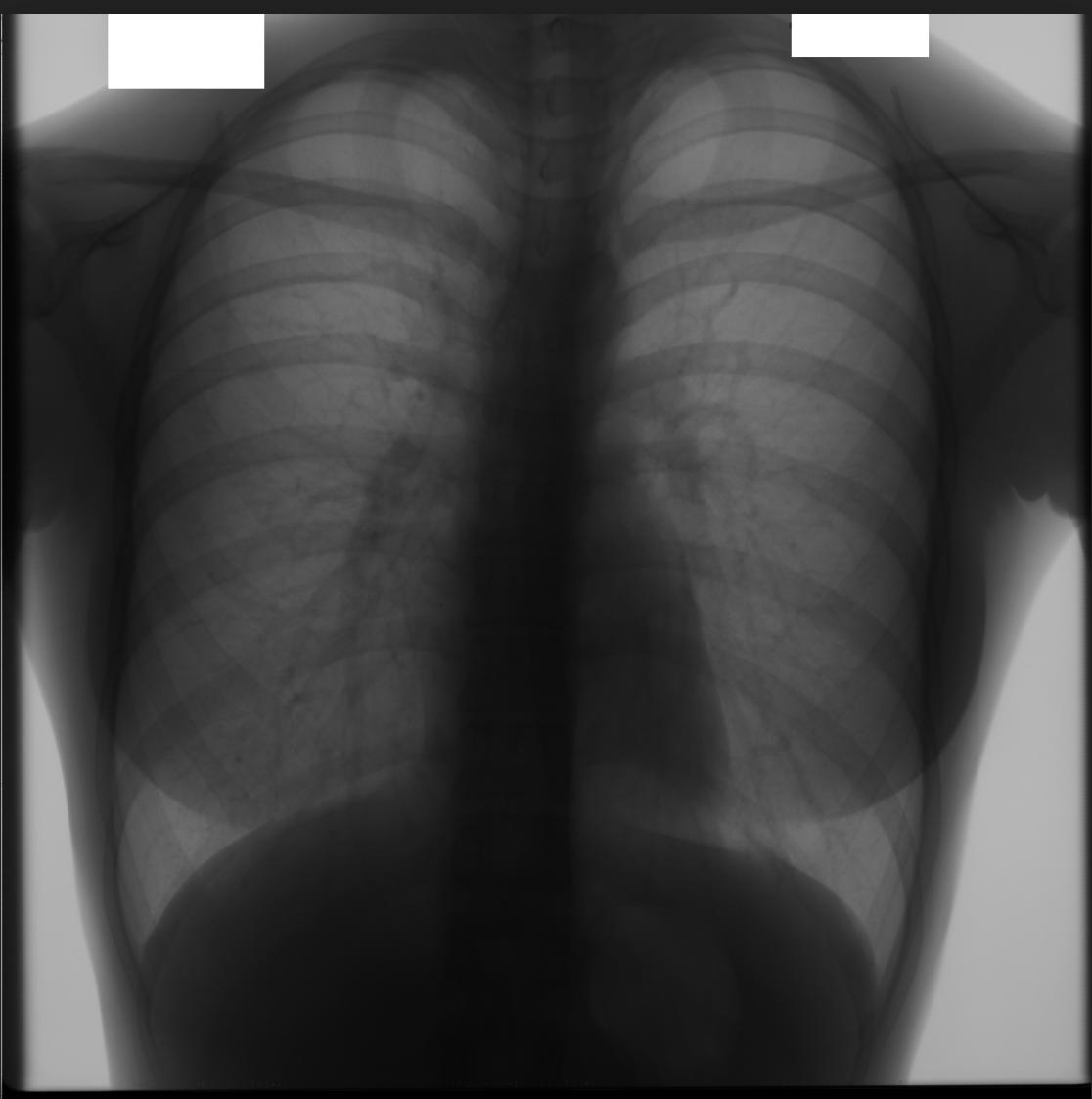
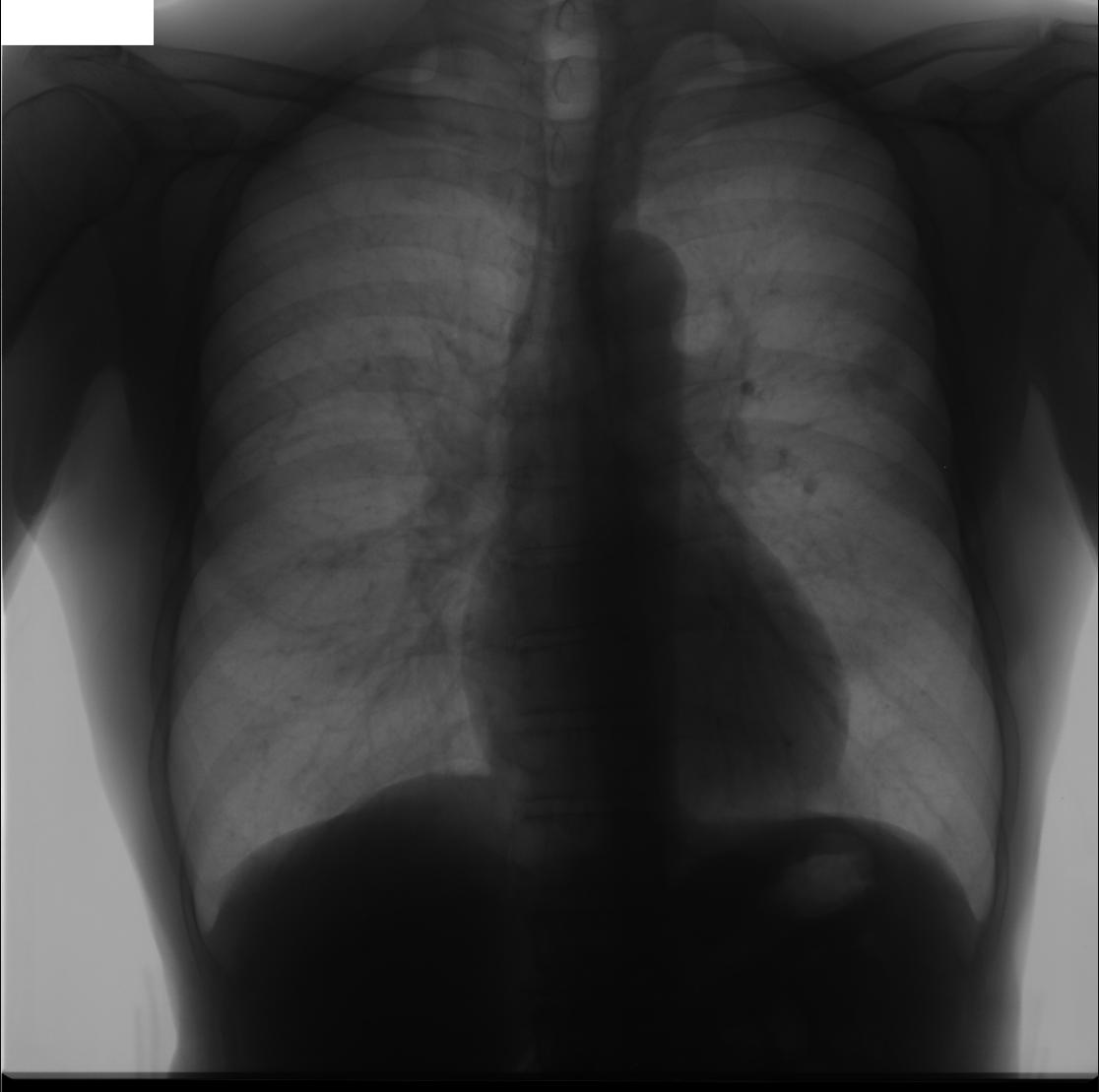
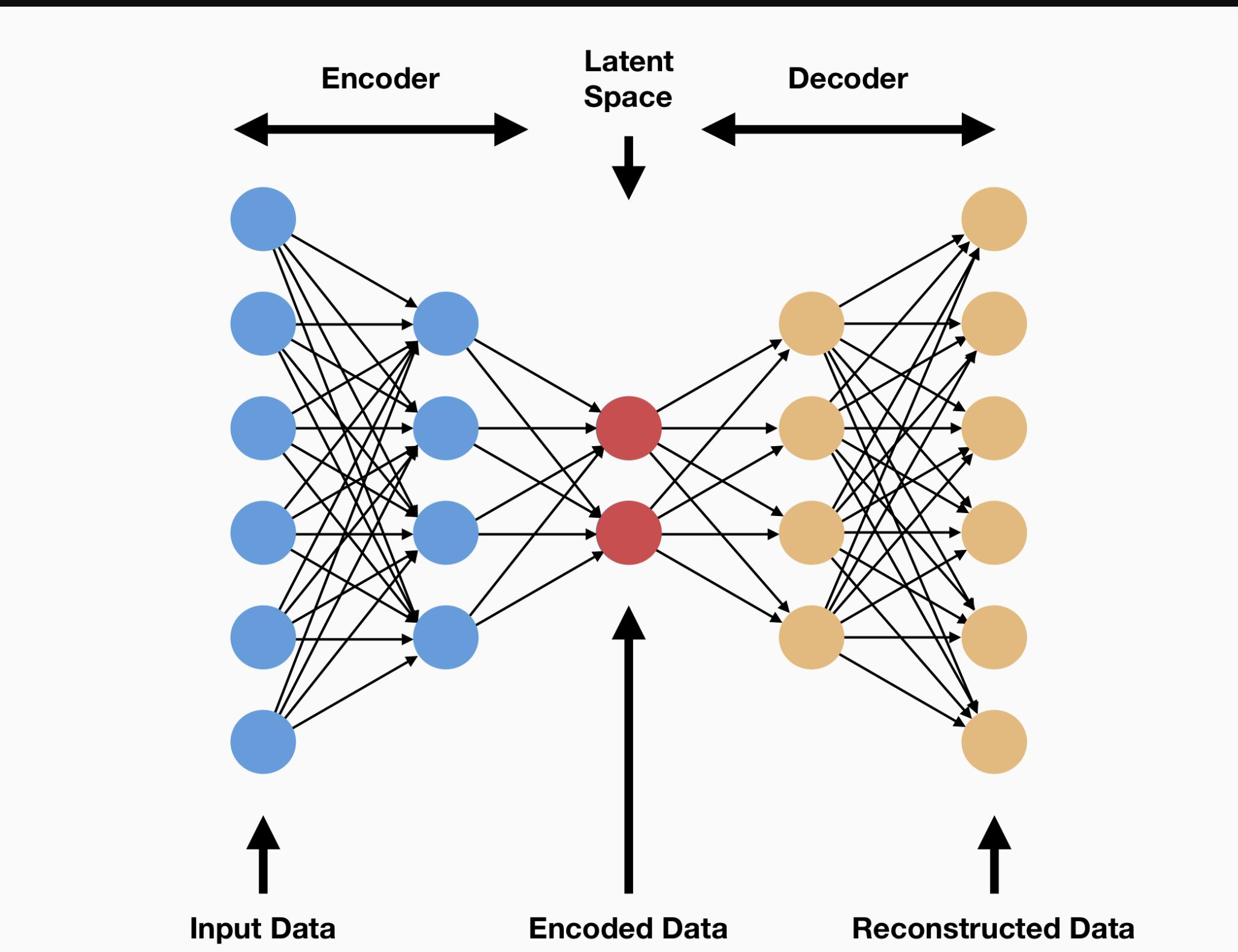
What is the difference between these three images?



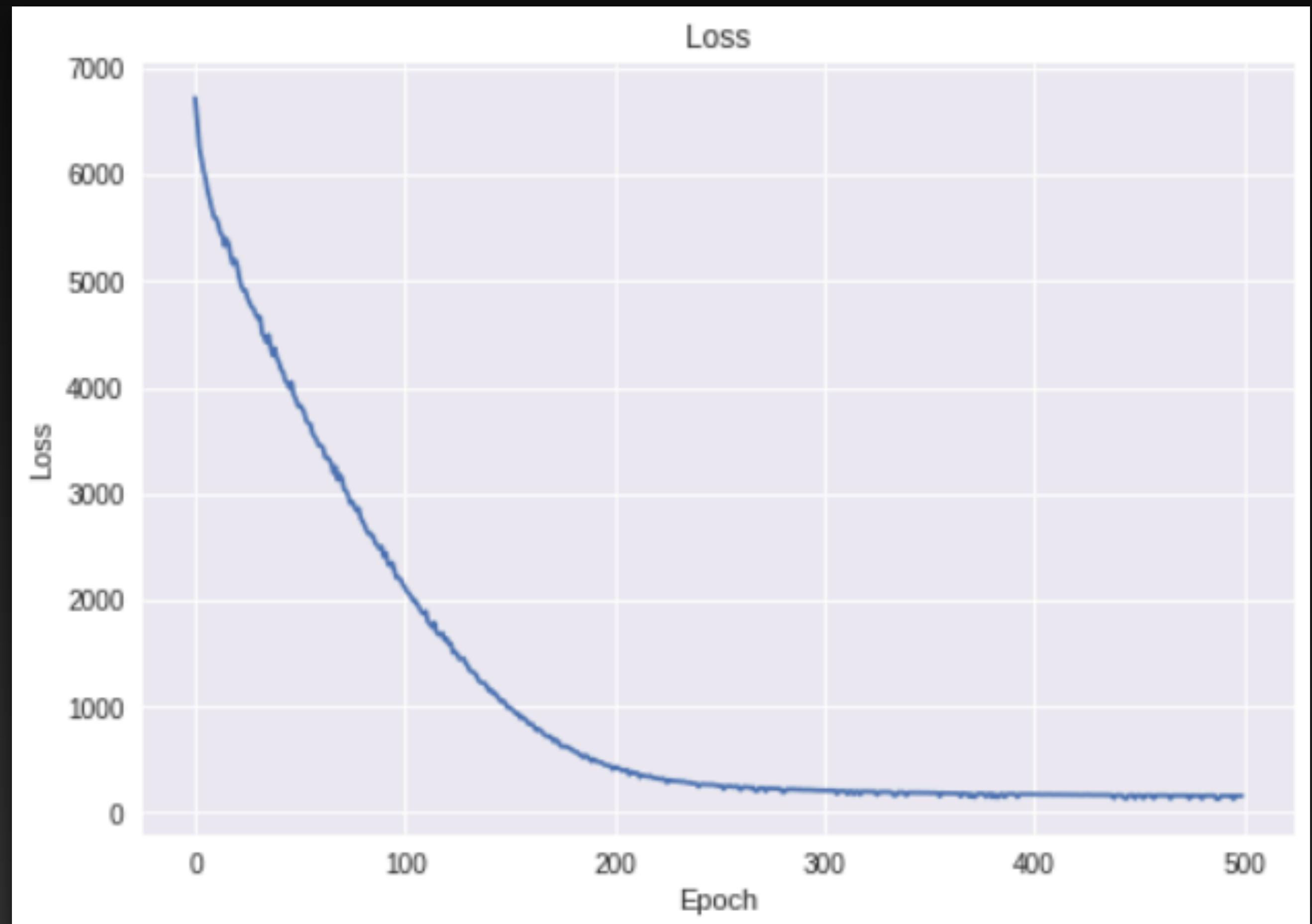
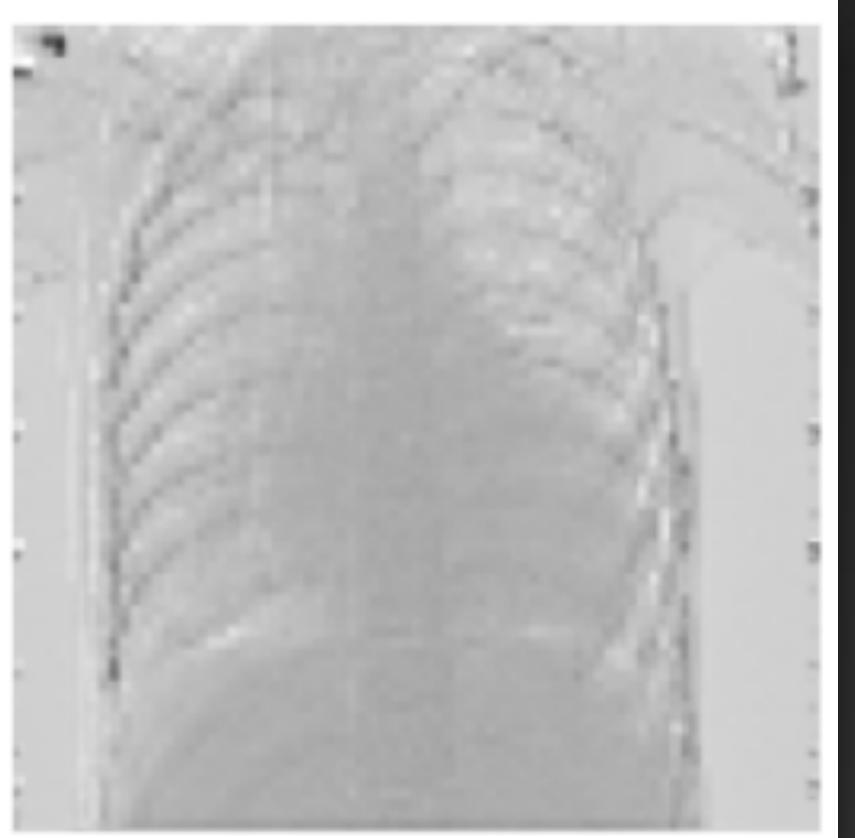
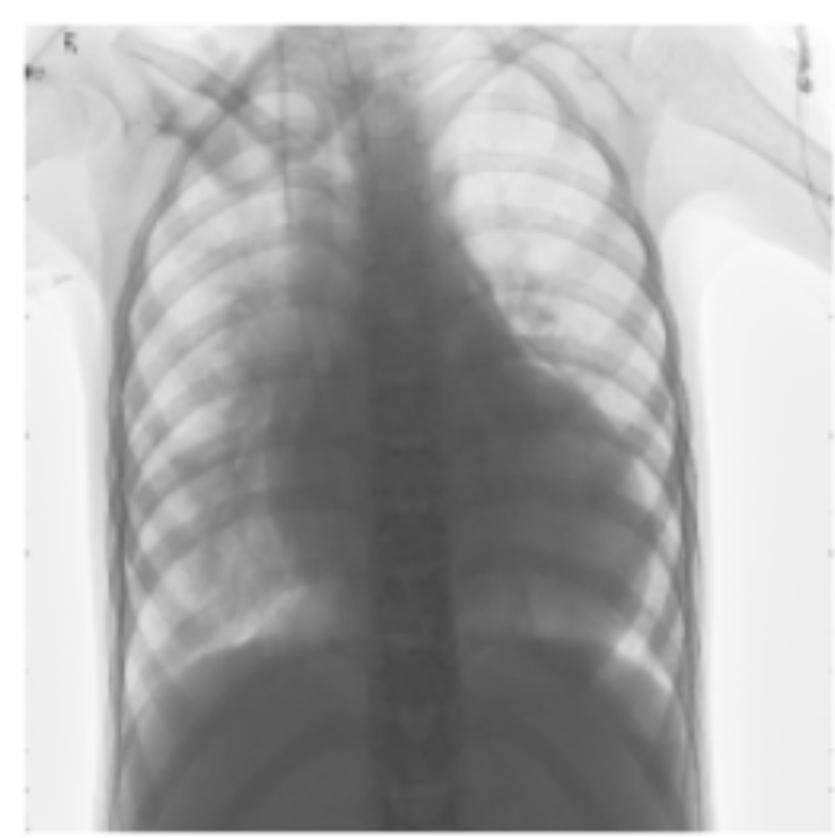
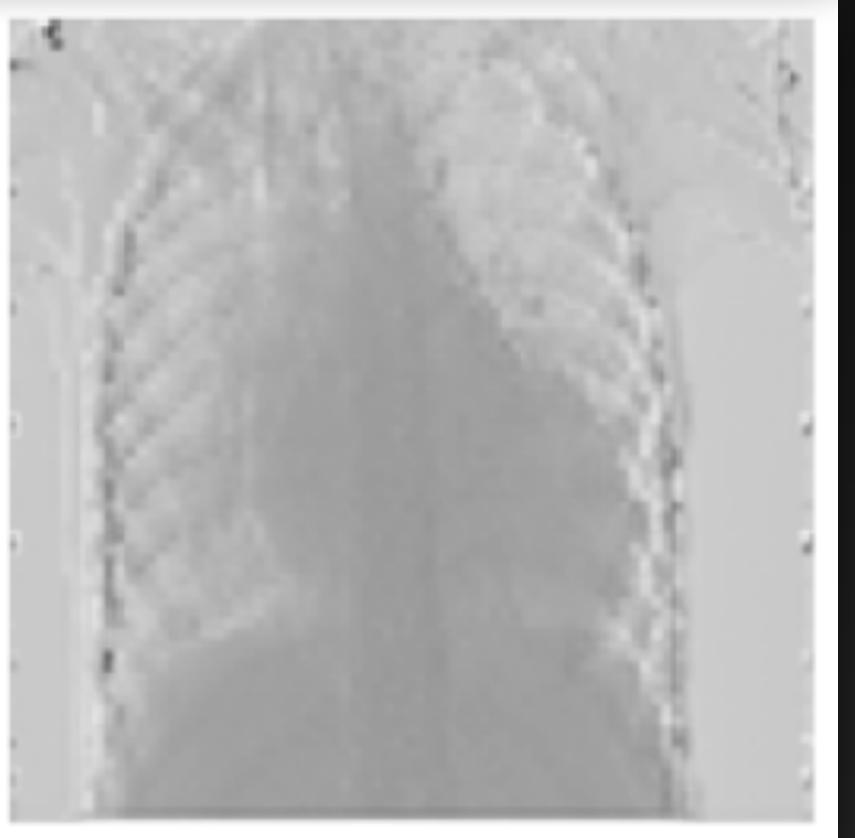
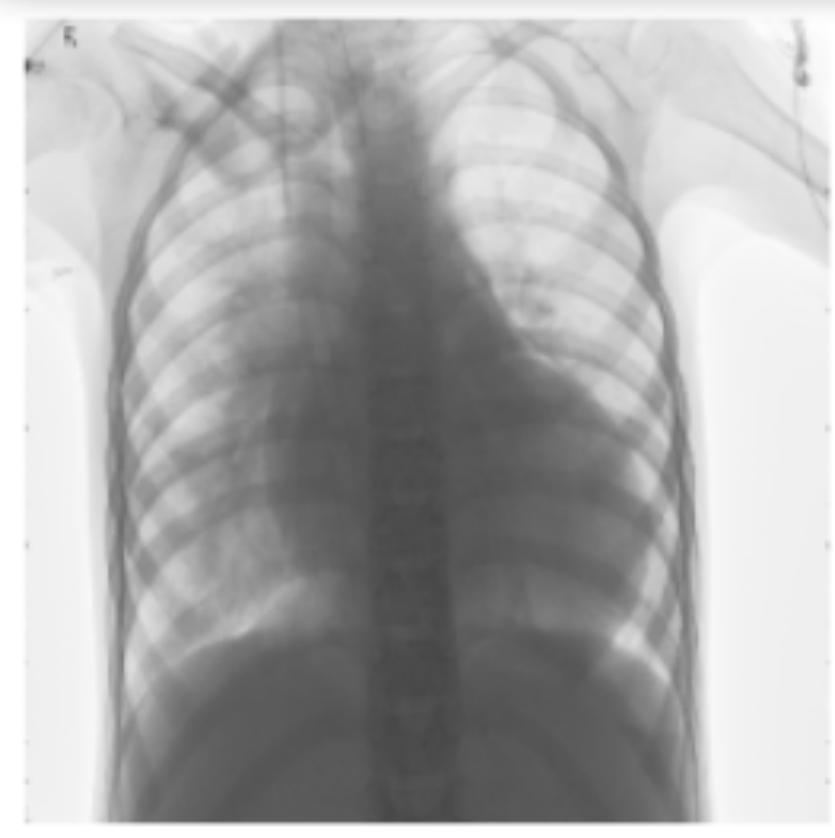
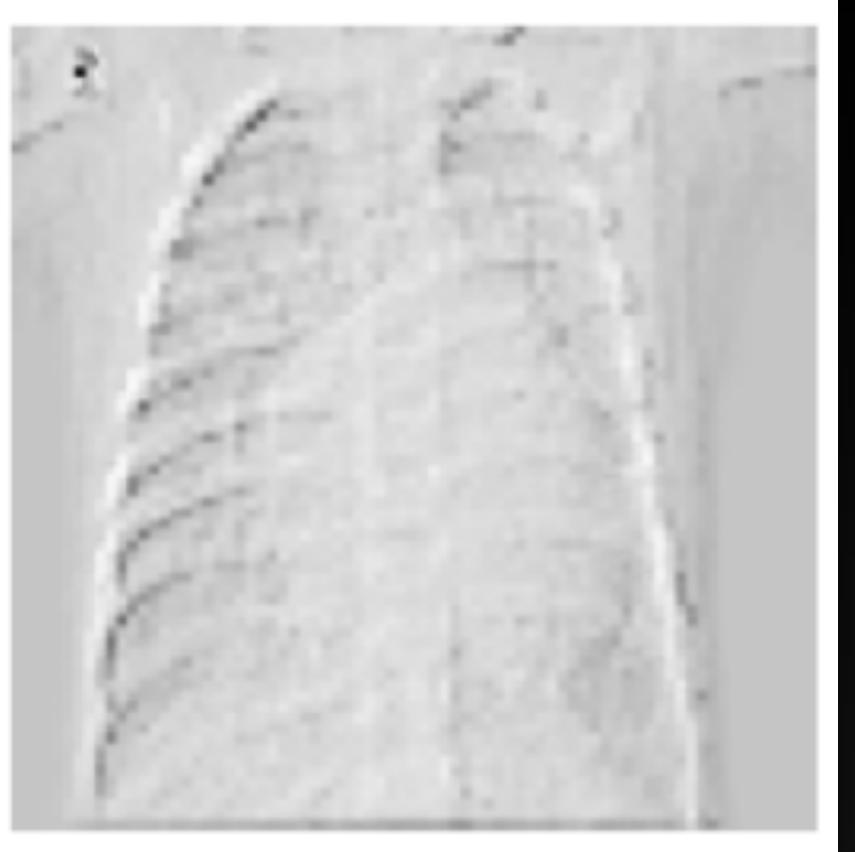
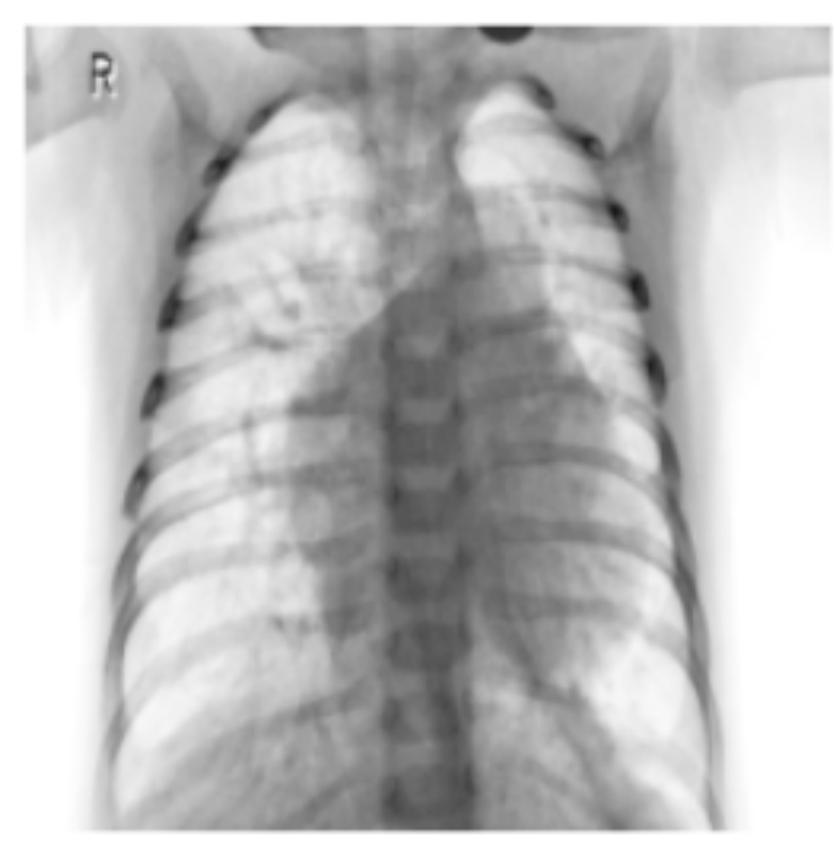
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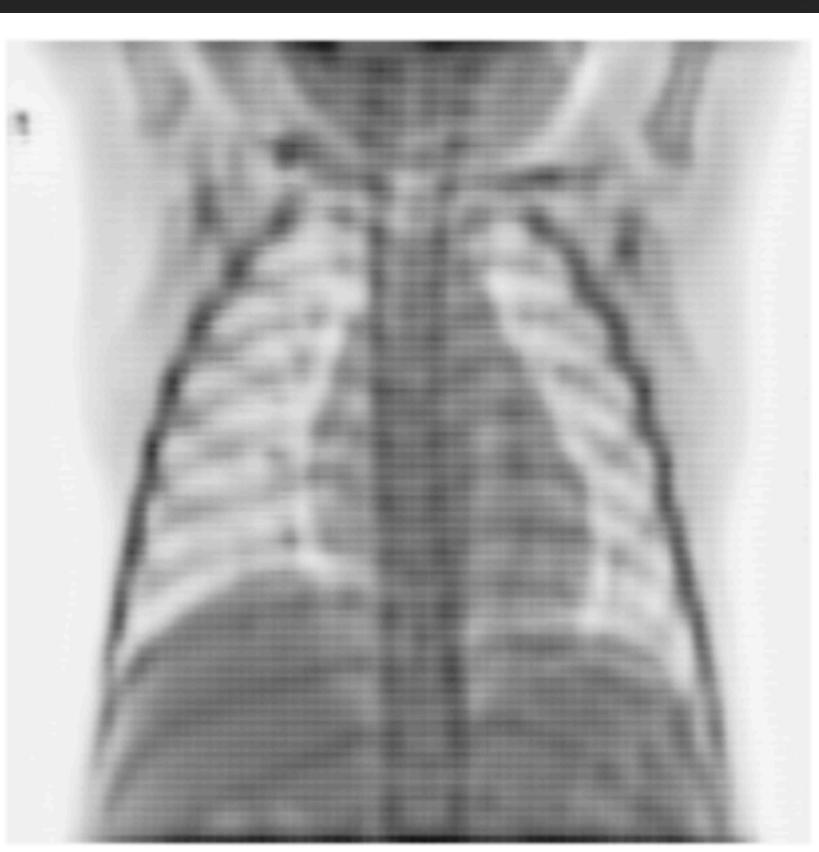
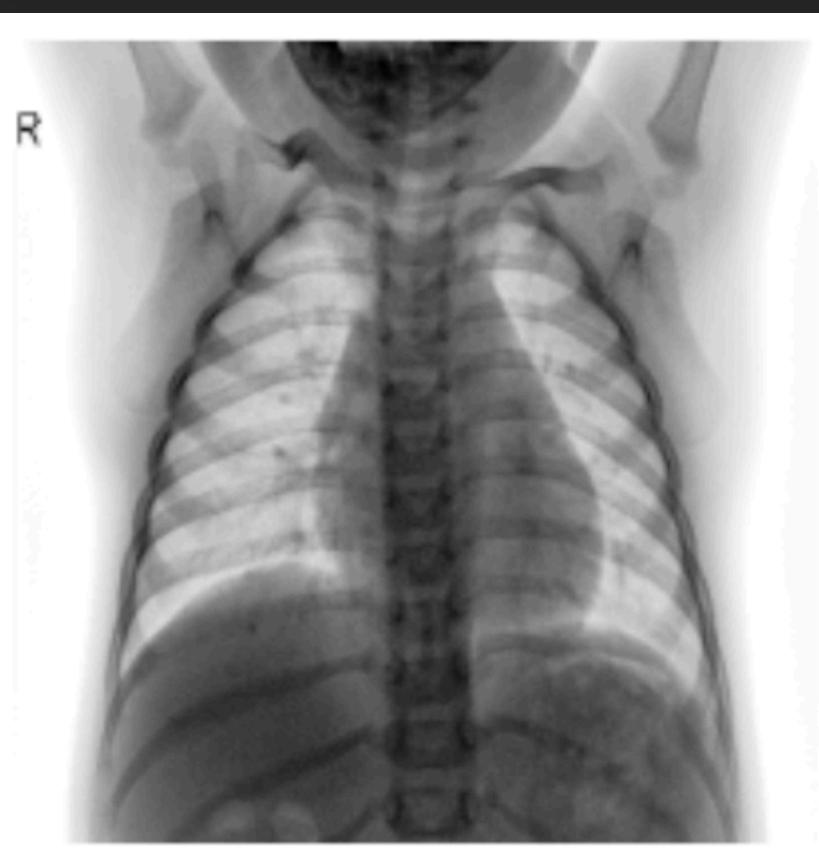
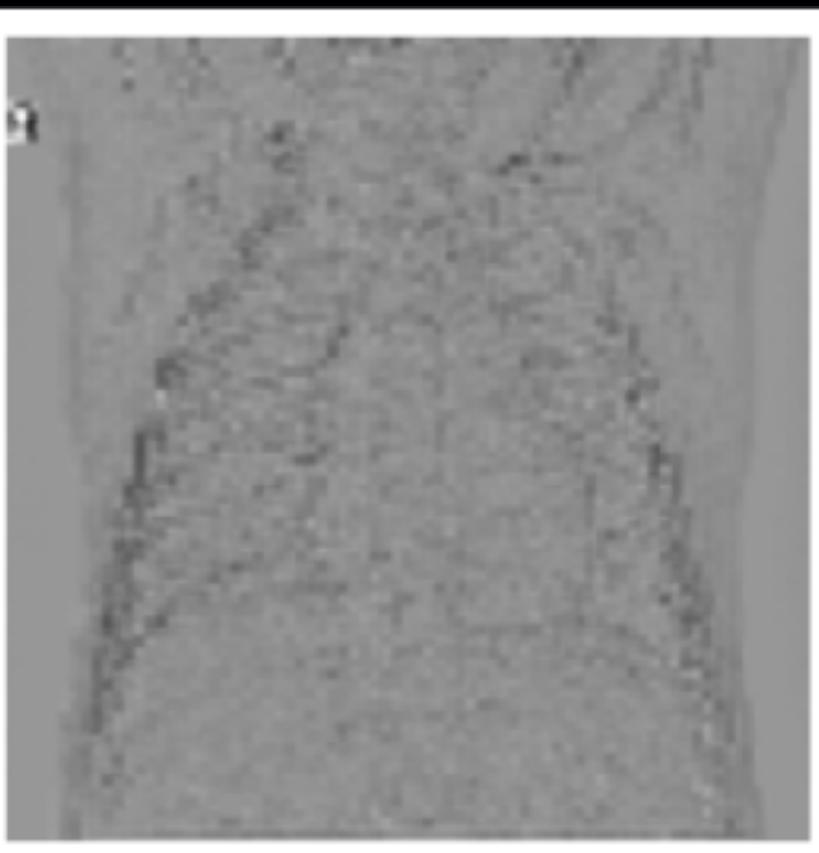
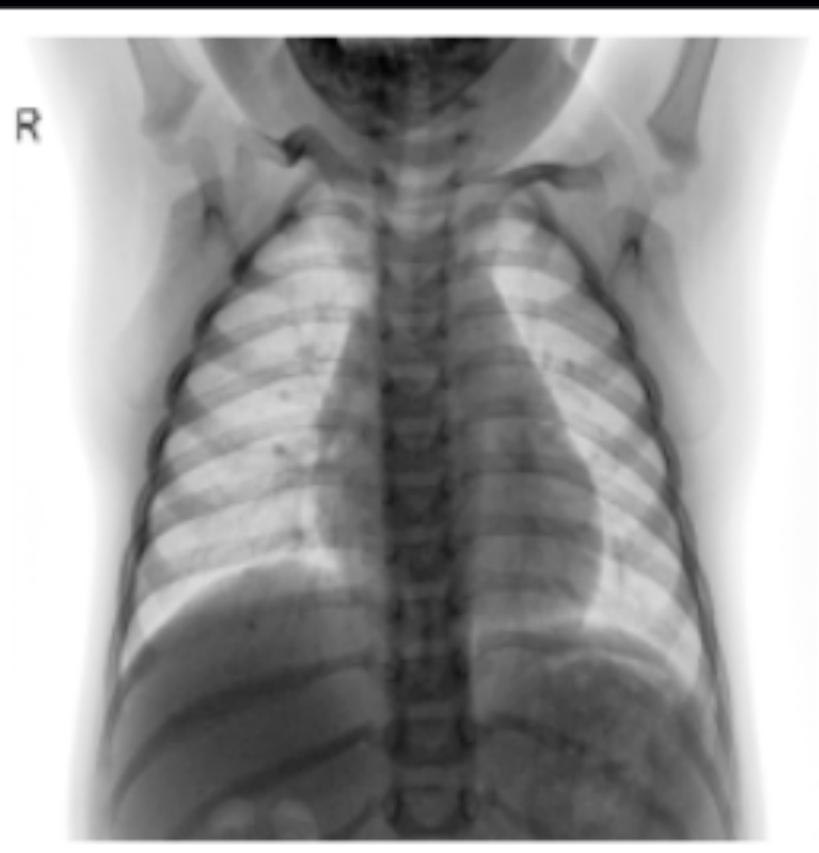
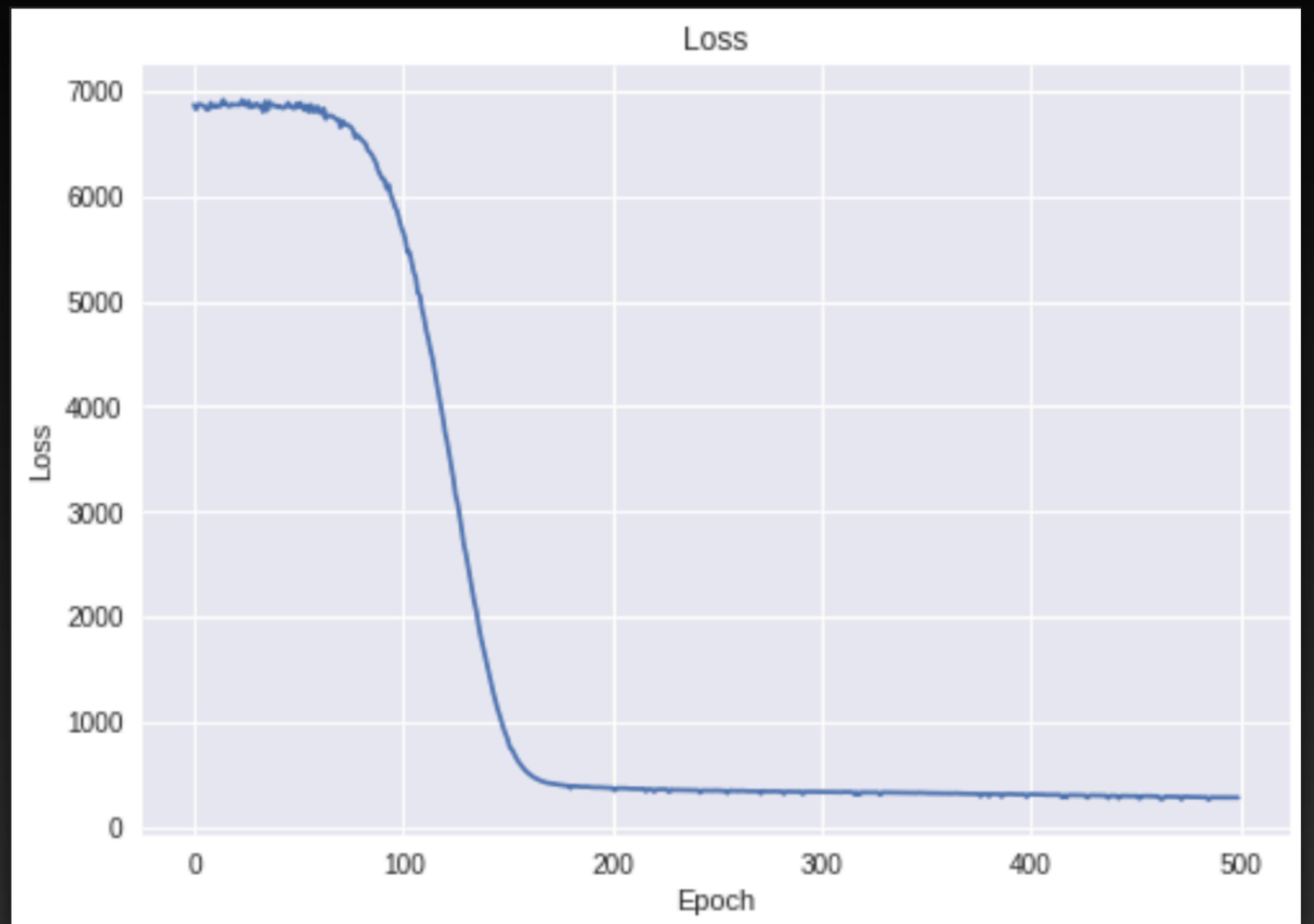


# Autoencoder

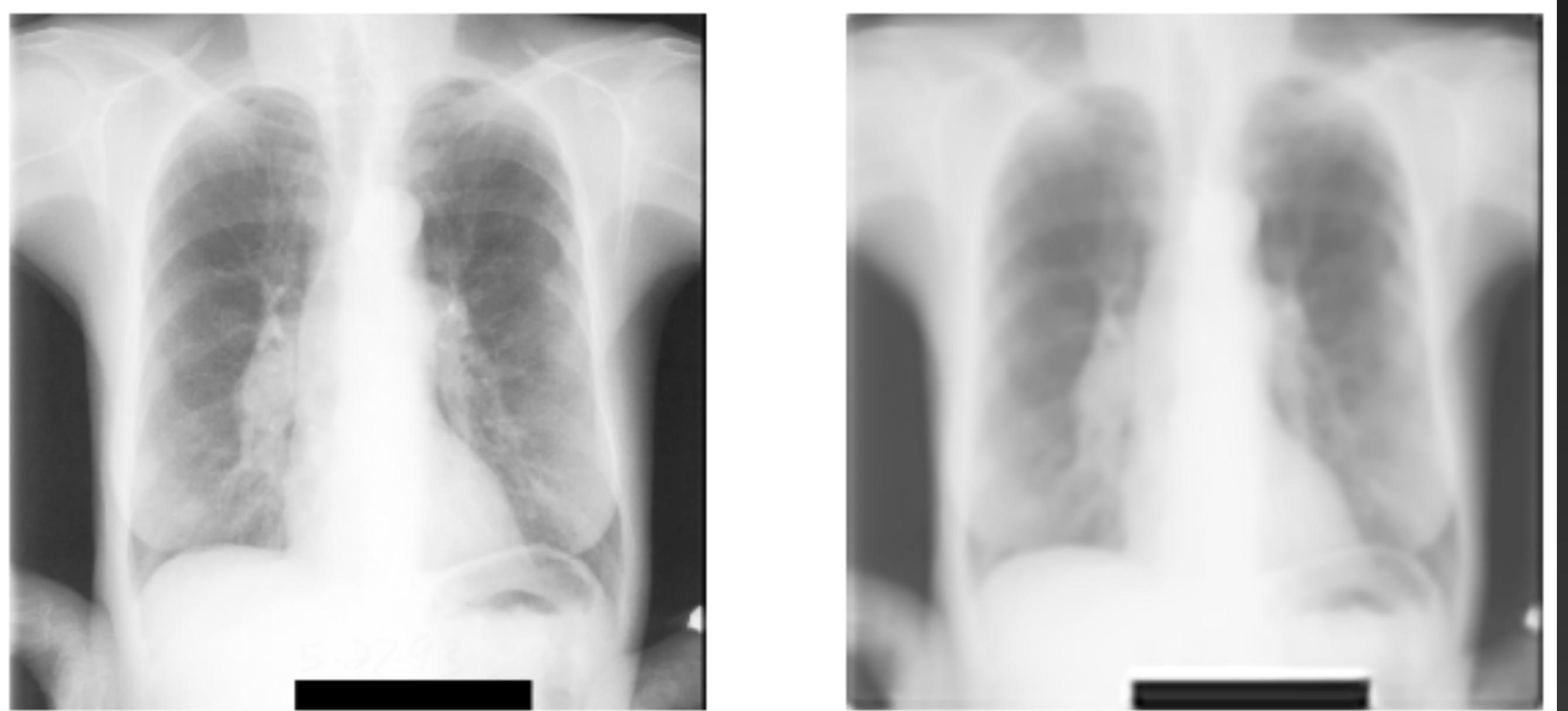
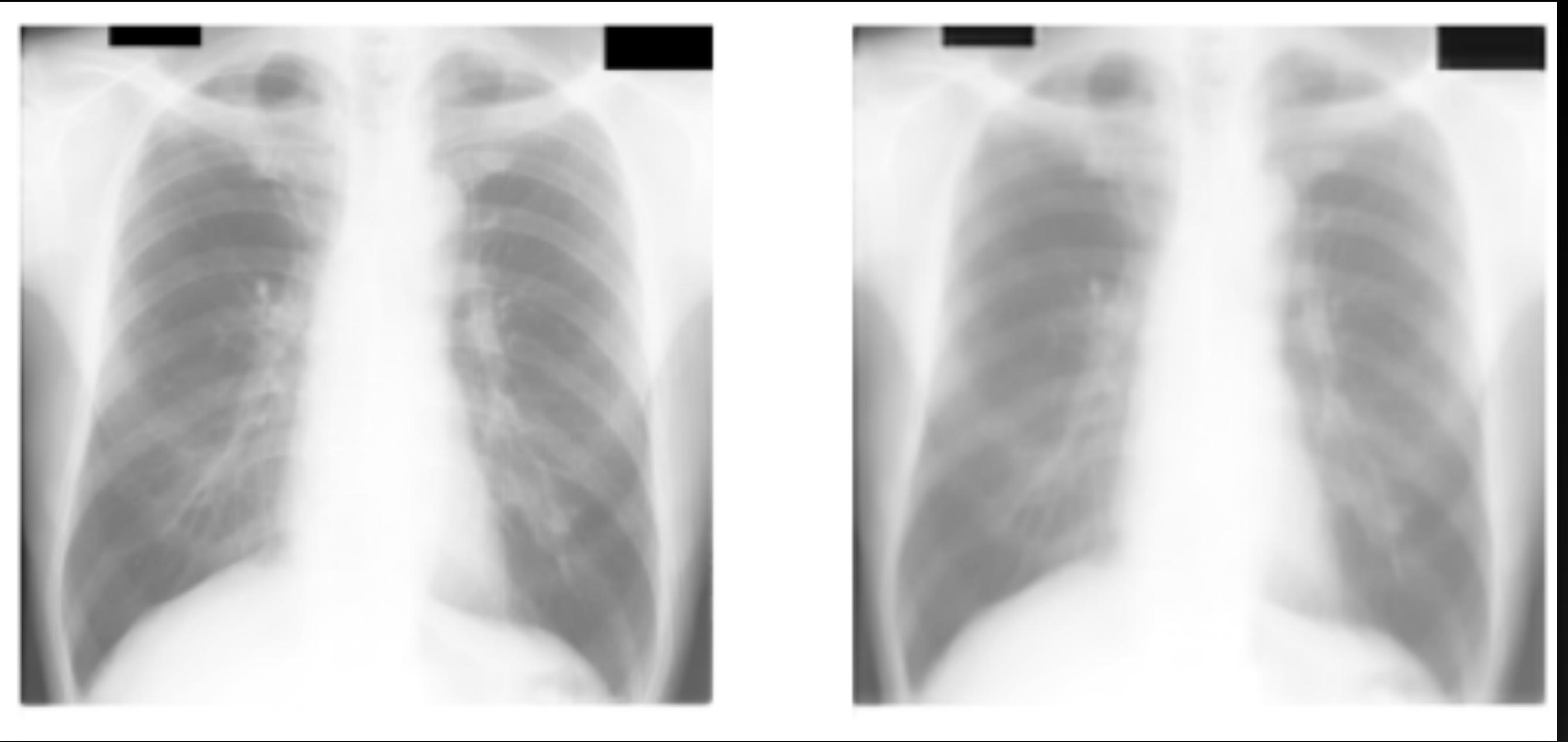


# Mean Squared Error



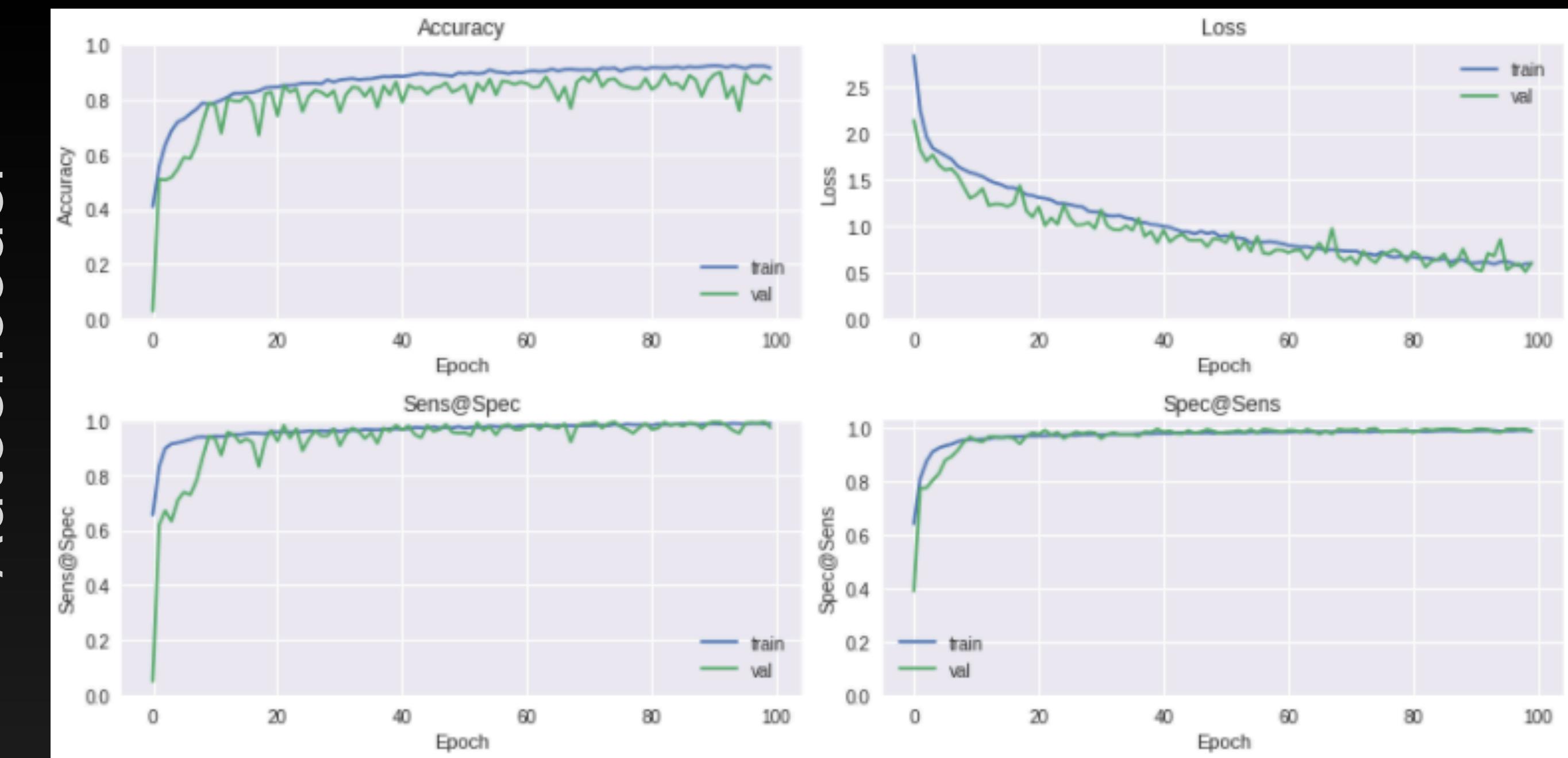


# Final Autoencoder Results

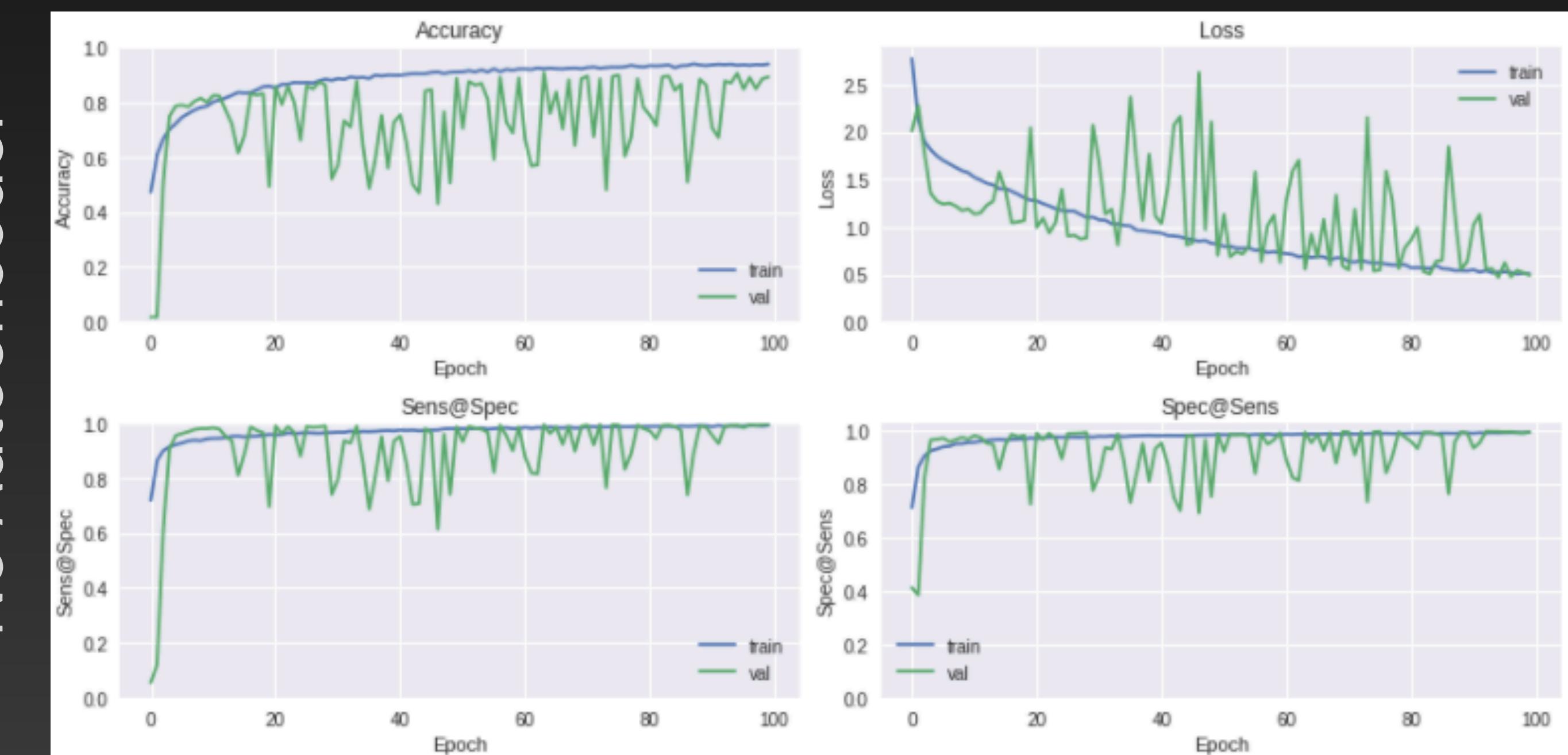


# A/B Test

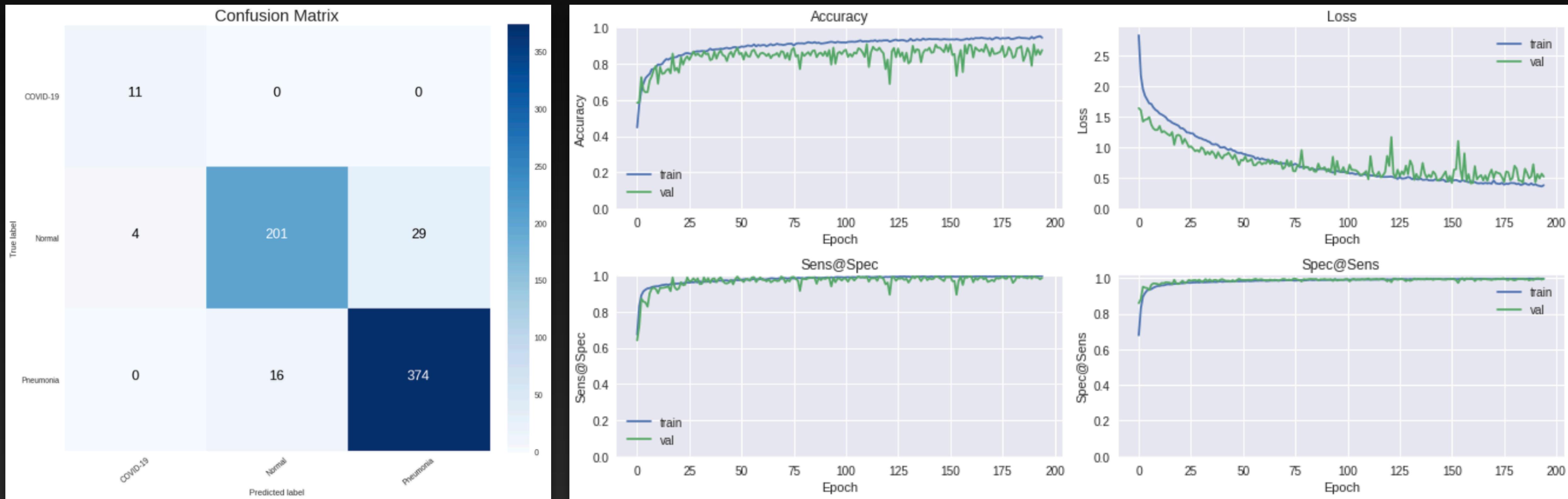
## No Autoencoder



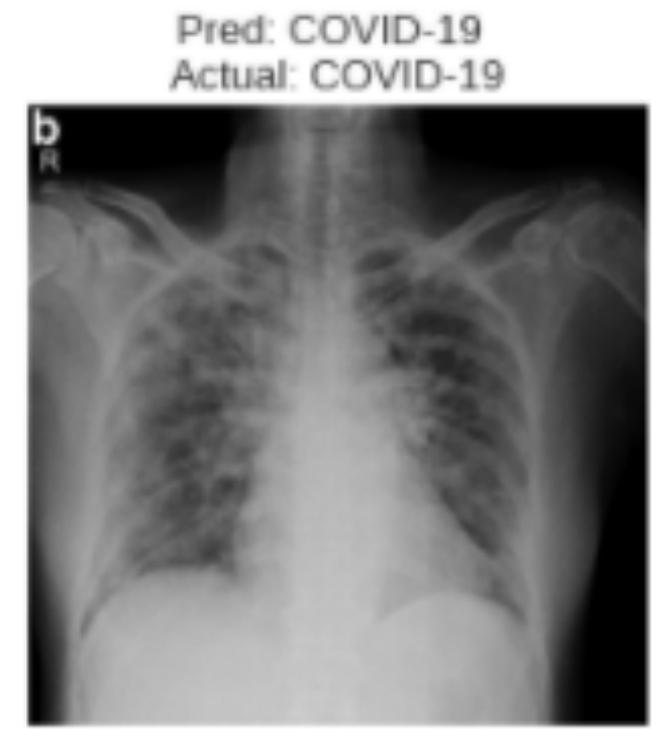
## Autoencoder



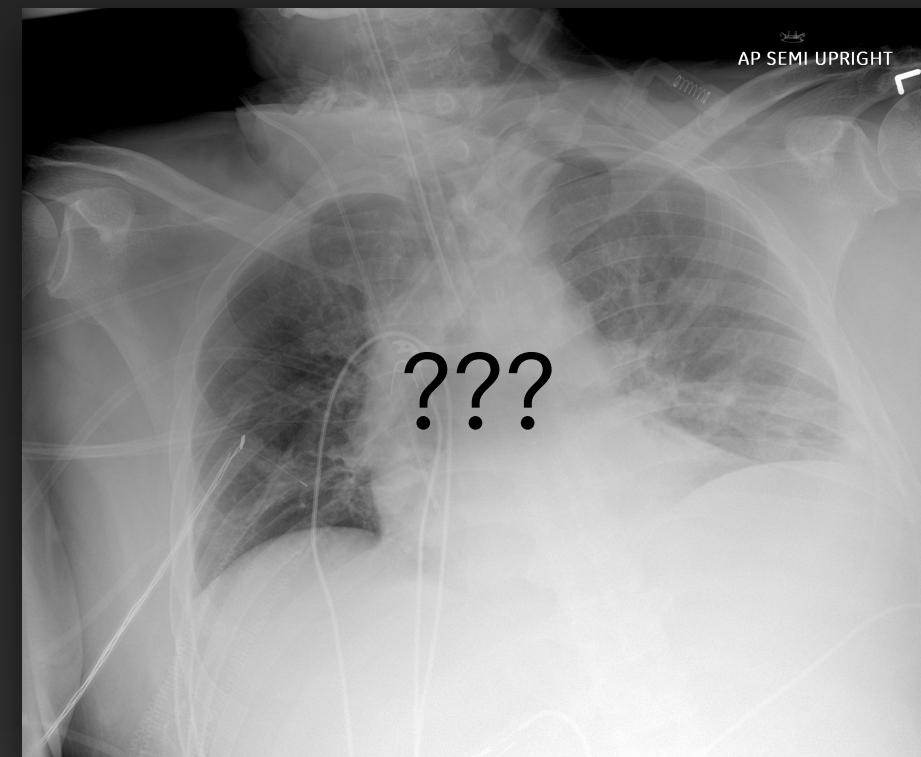
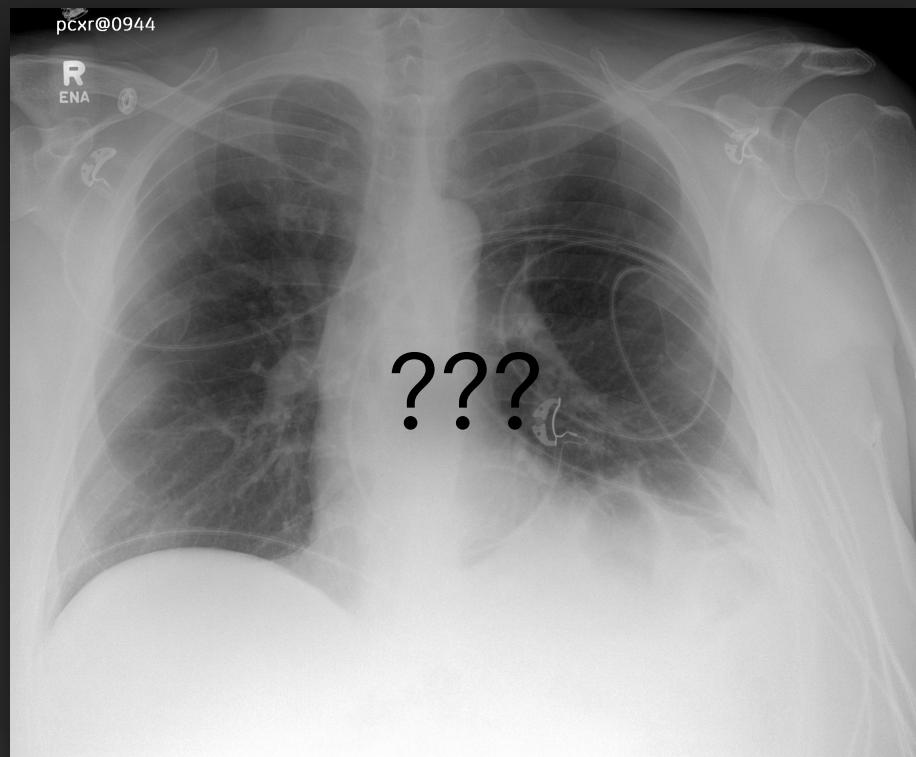
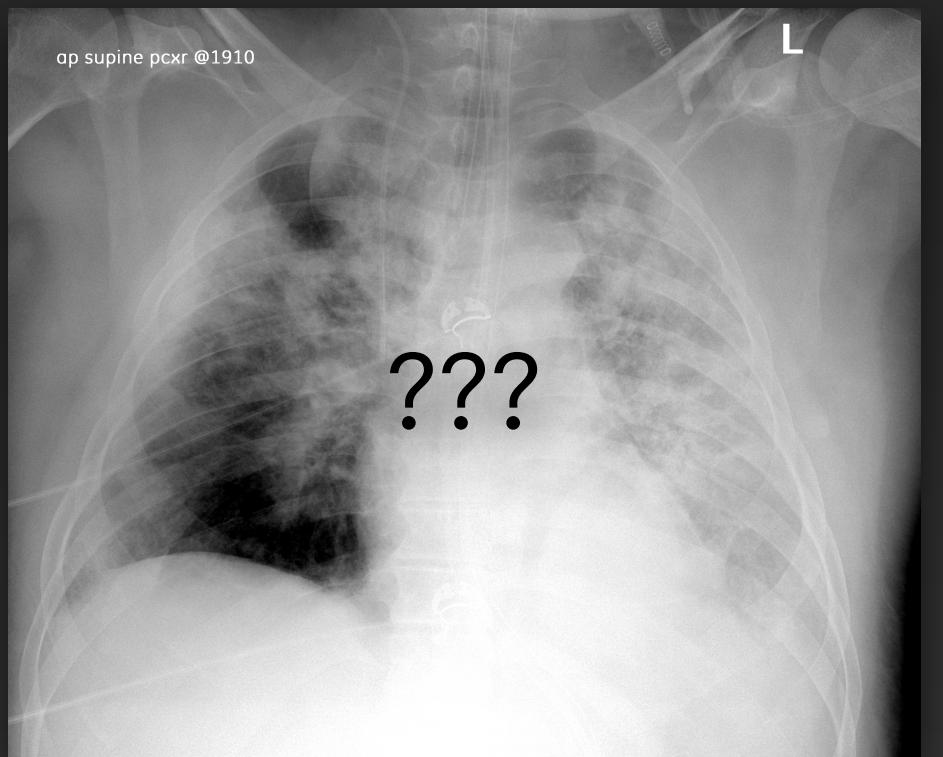
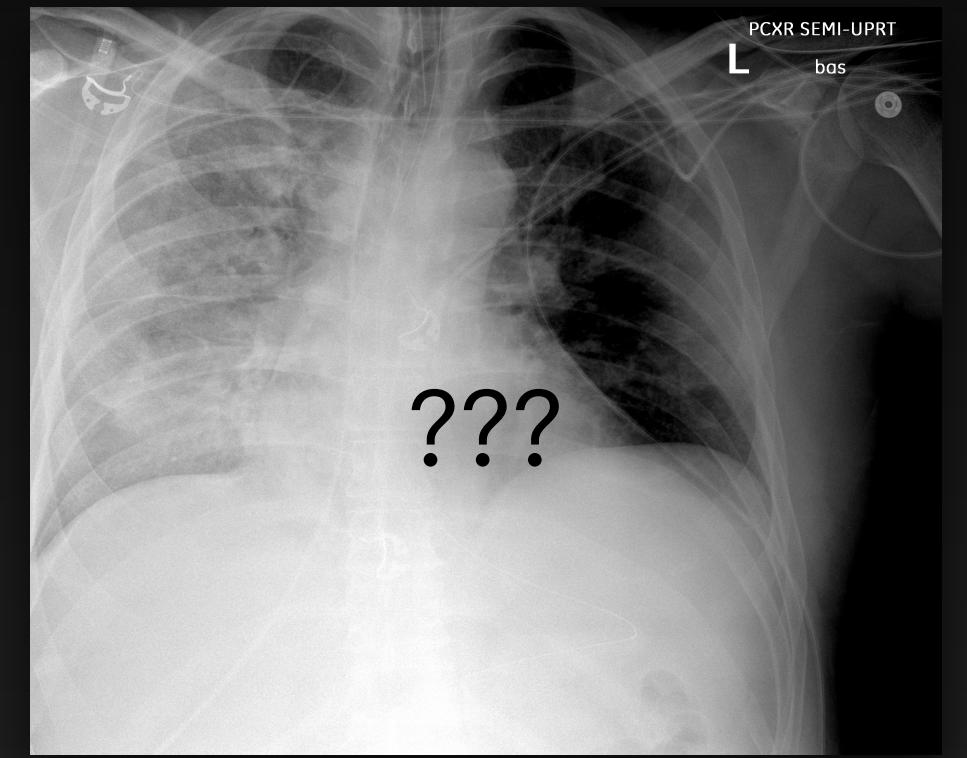
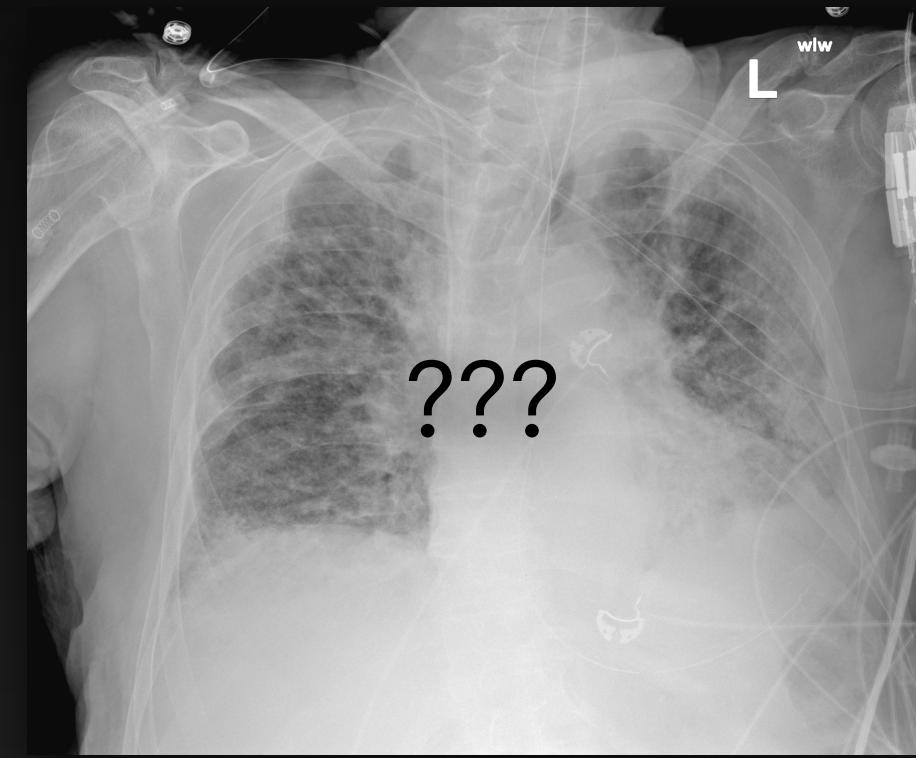
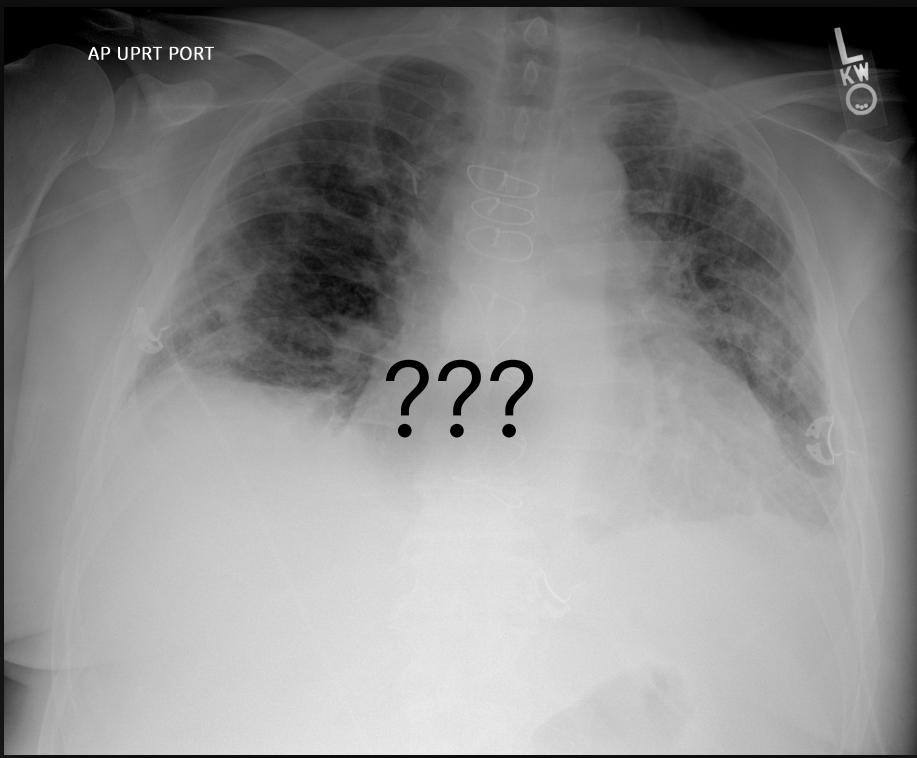
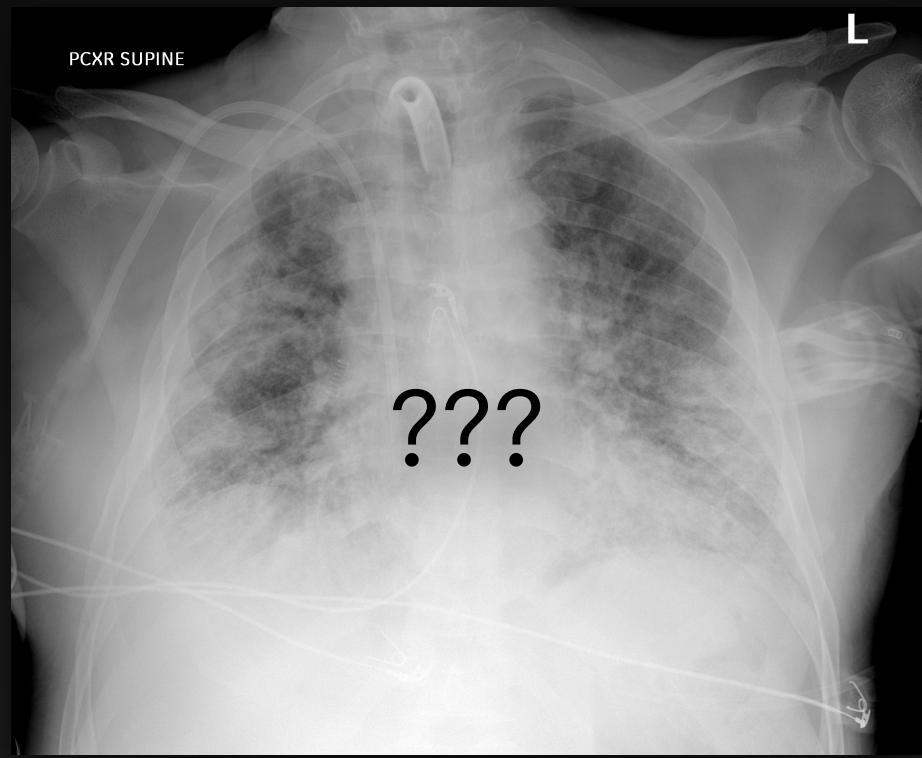
# Final Model



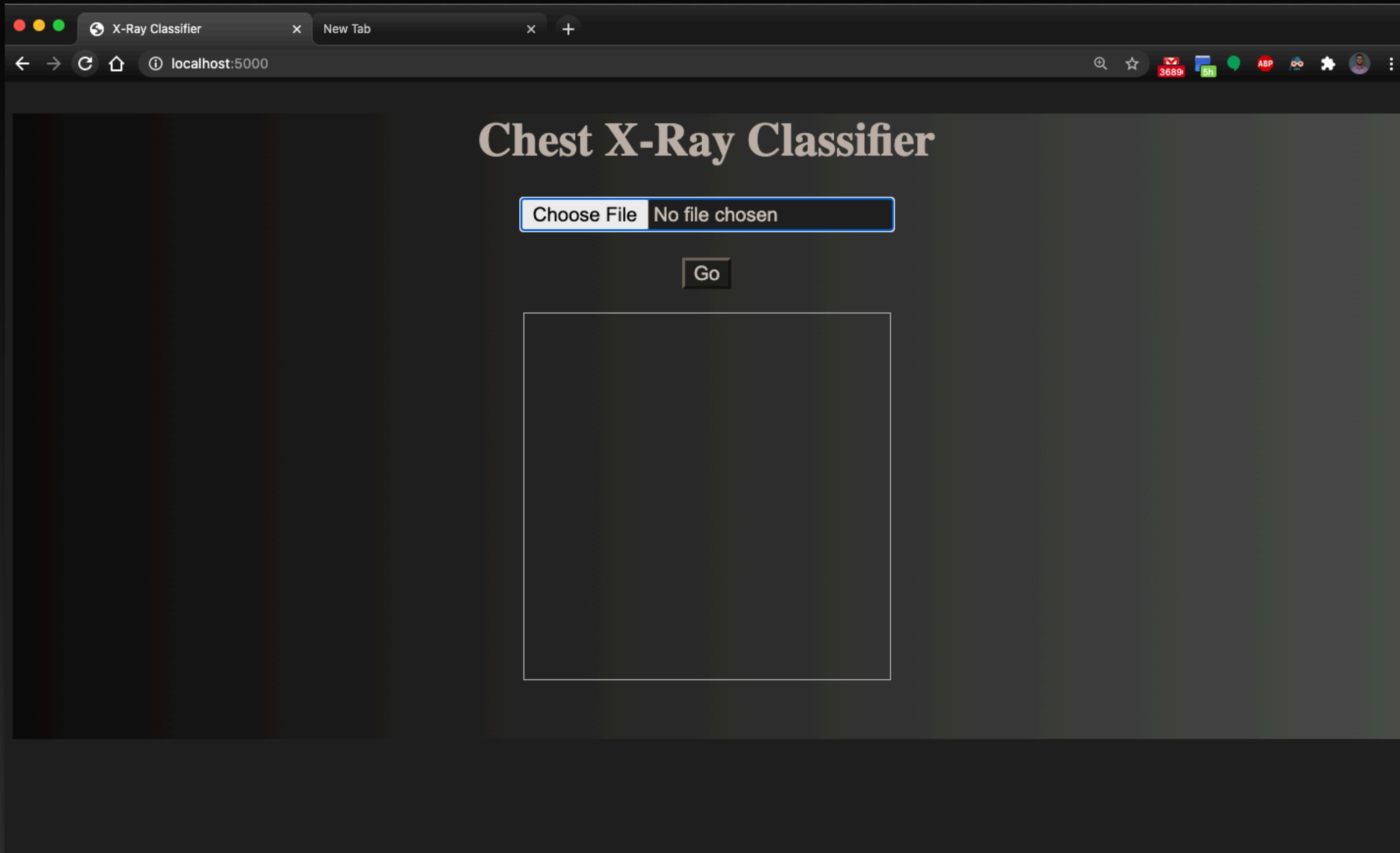
# Predictions



# Predictions

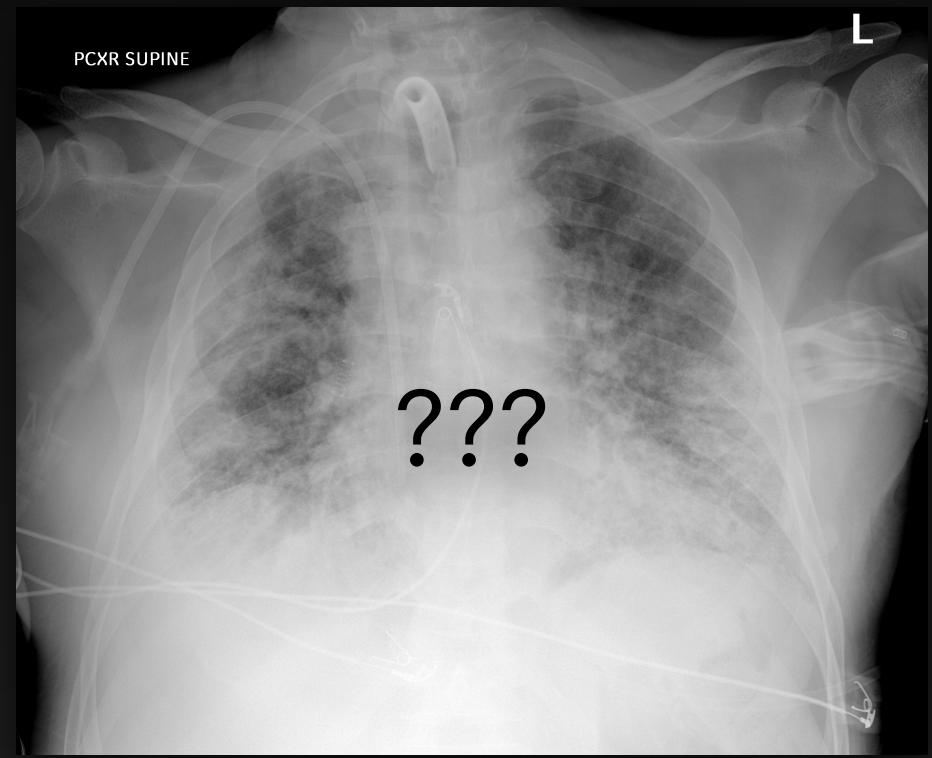


# Deployment

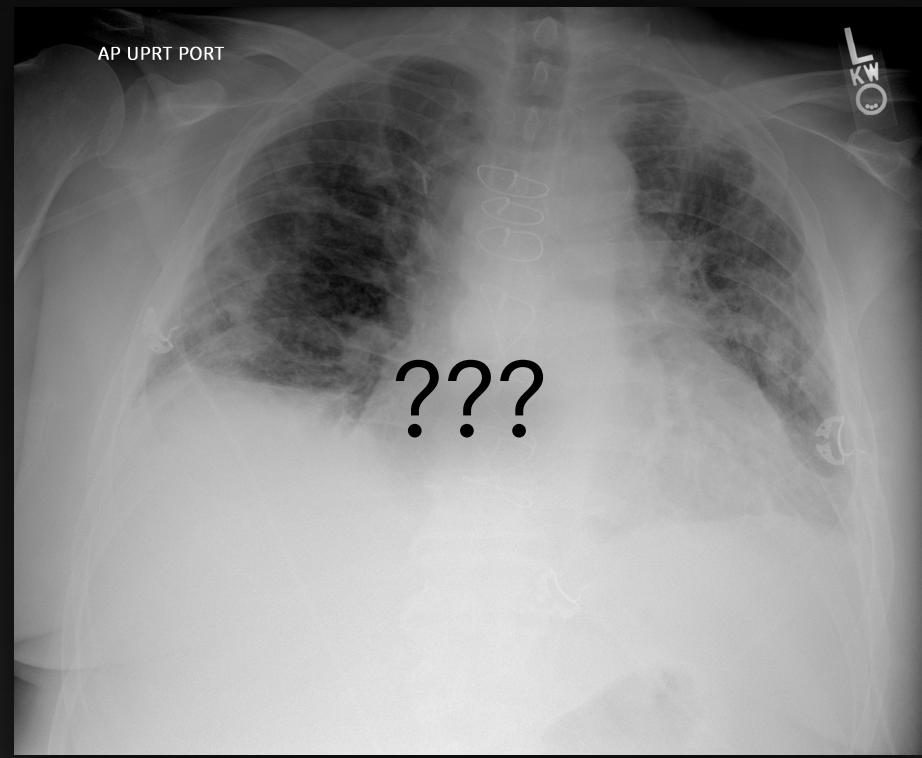


# Predictions

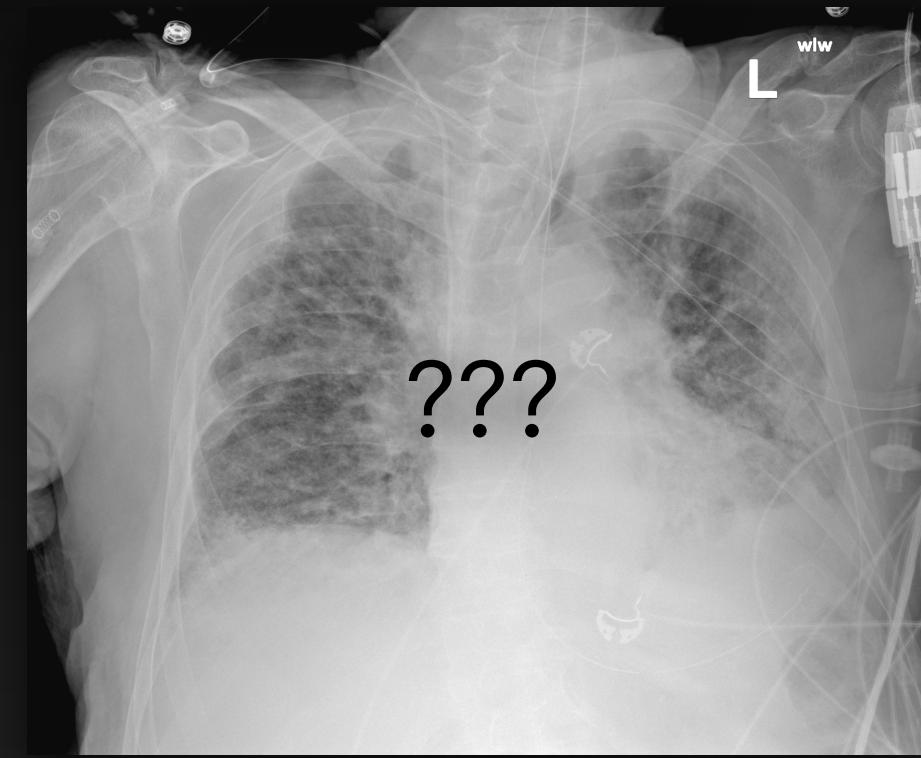
COVID-19



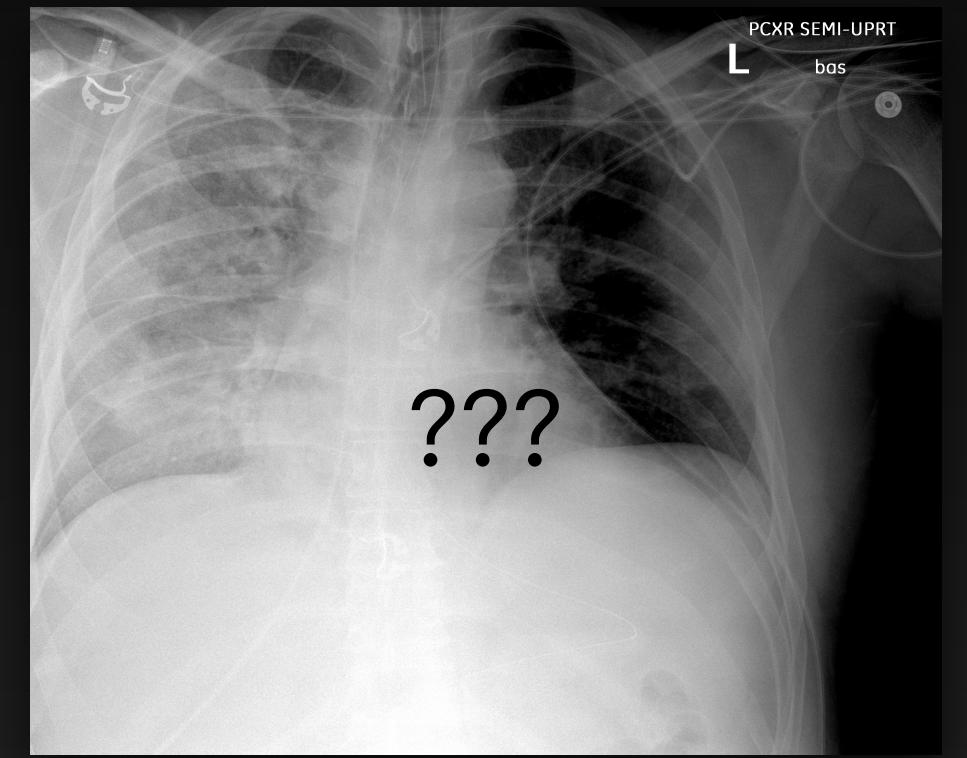
COVID-19



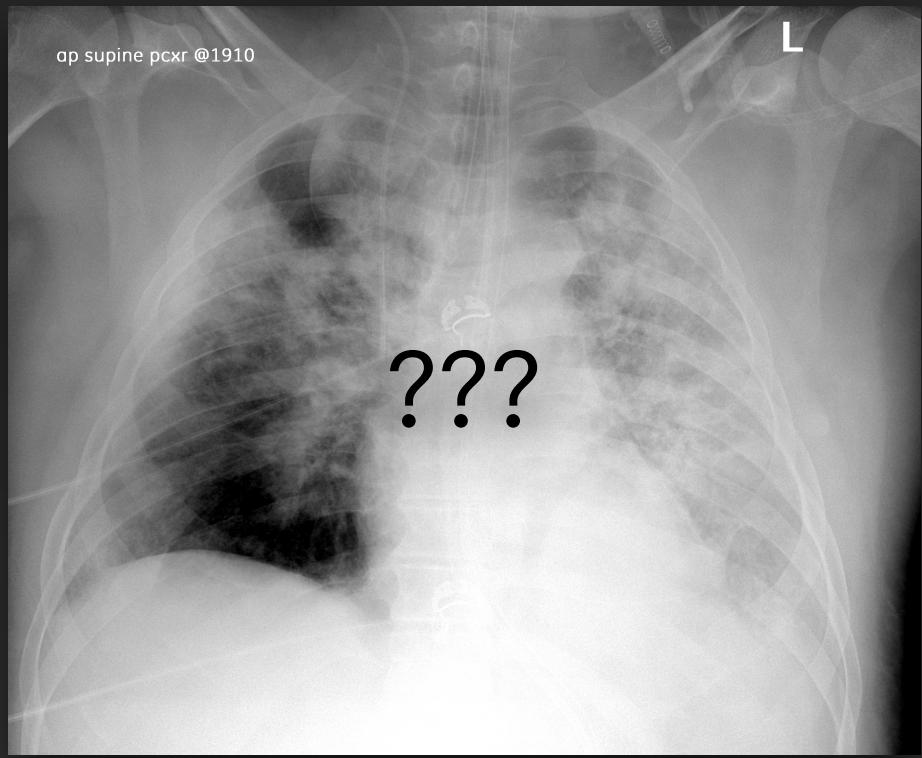
COVID-19



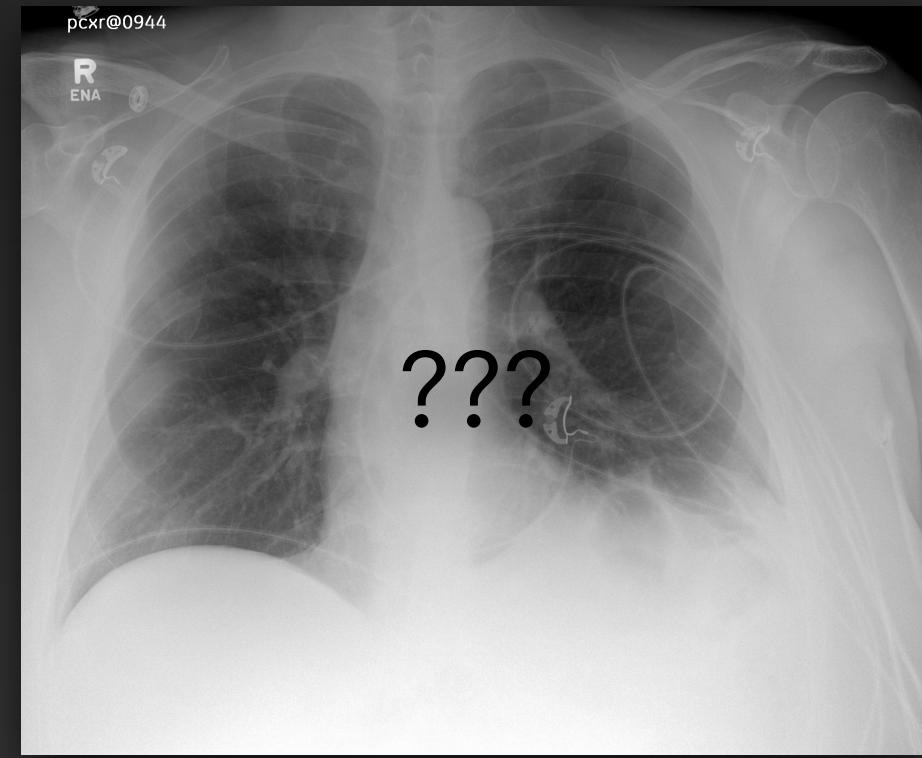
Pneumonia



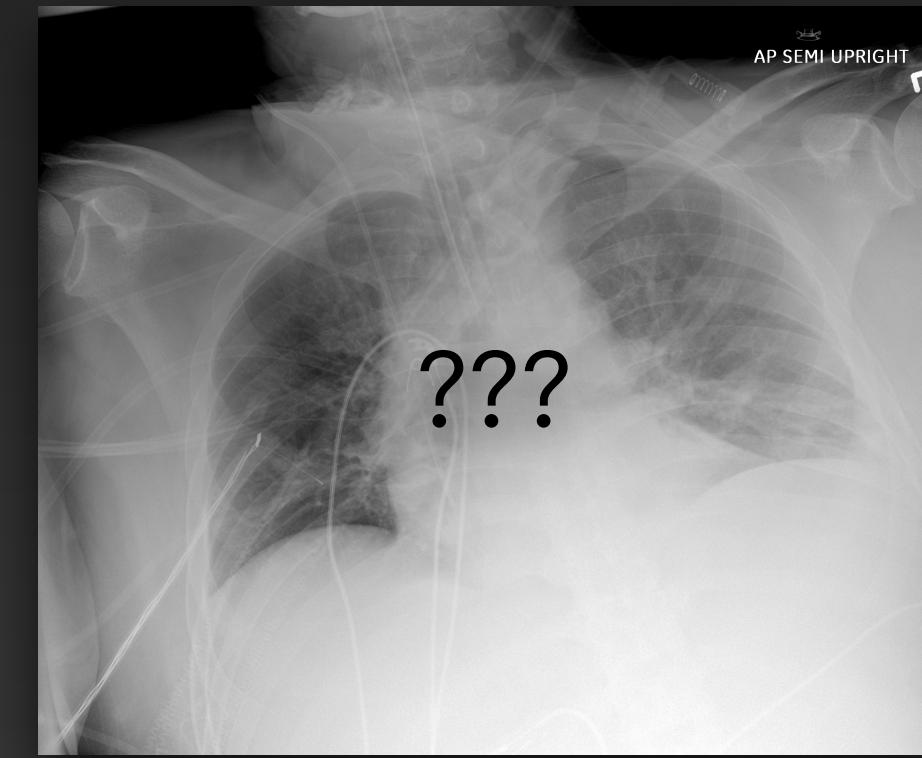
COVID-19



COVID-19

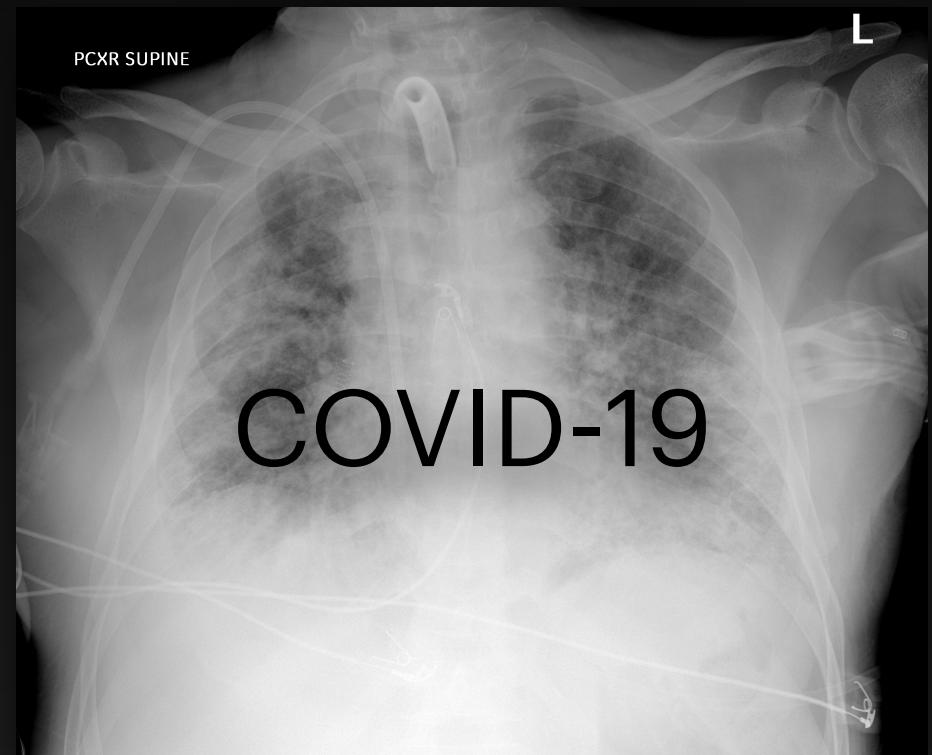


COVID-19

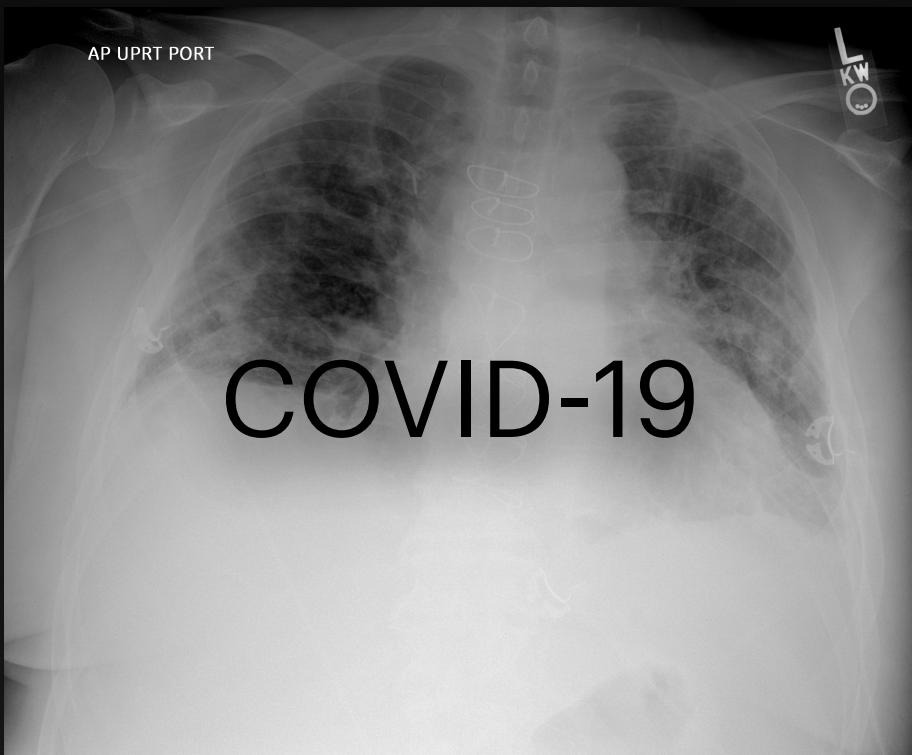


# Predictions

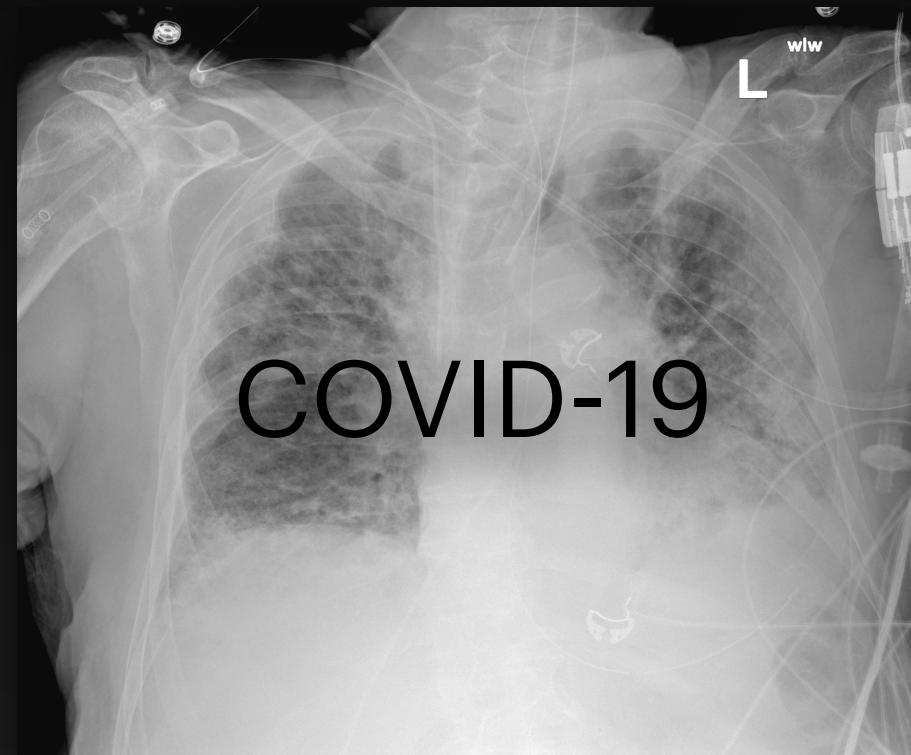
COVID-19



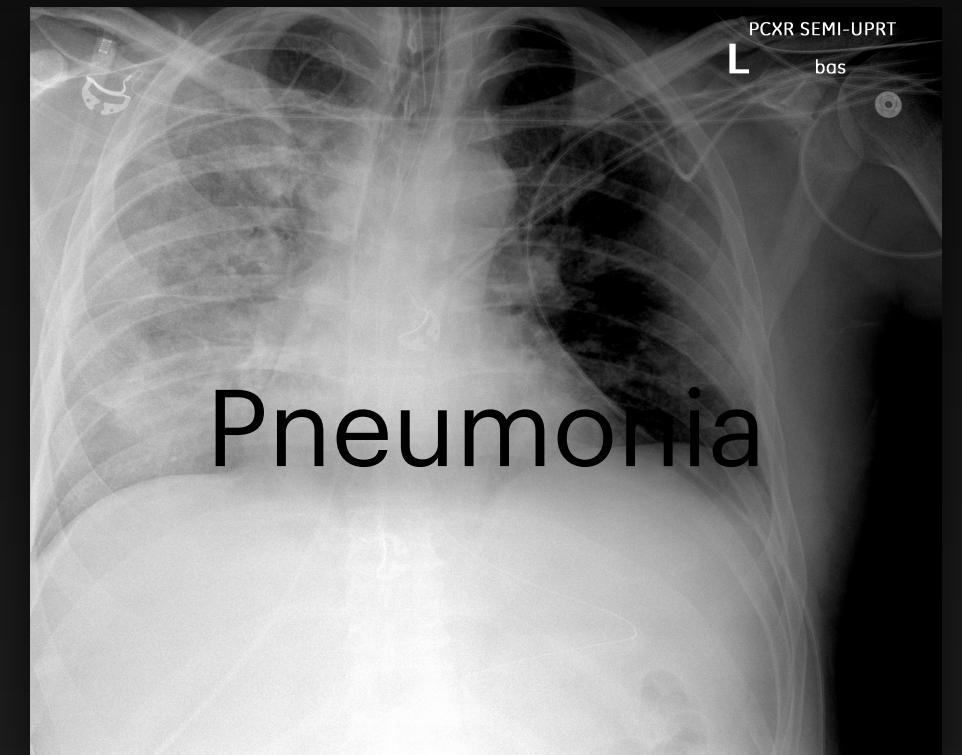
COVID-19



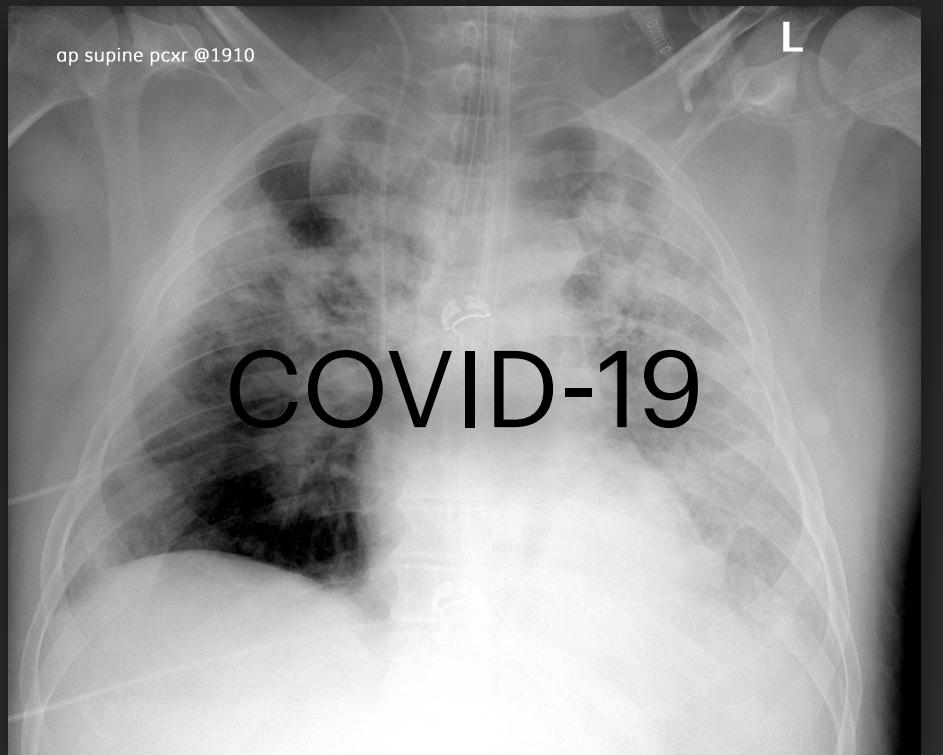
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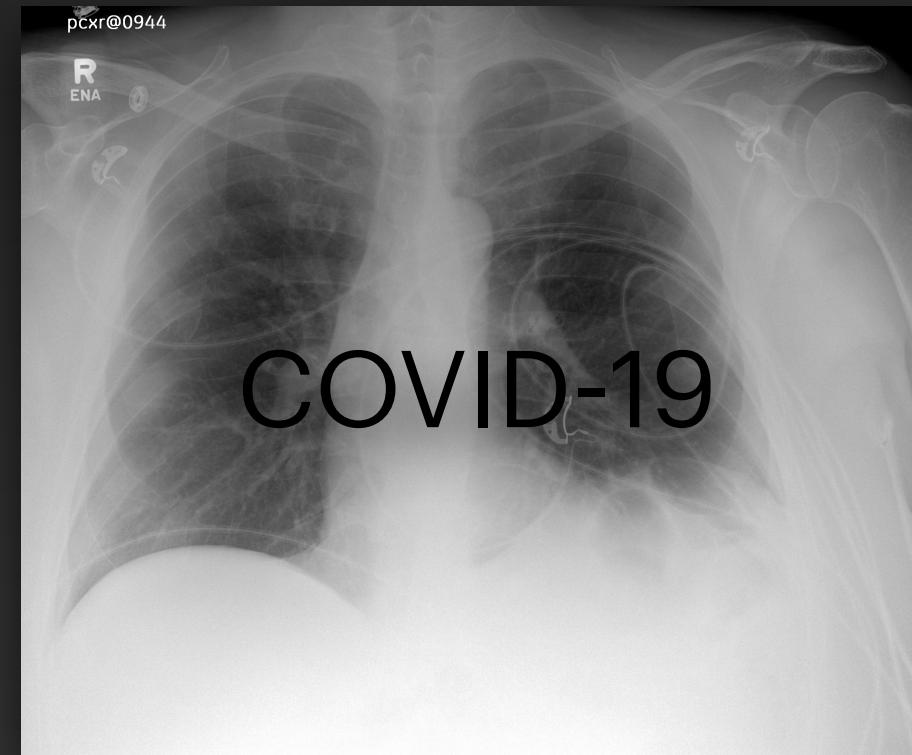
Pneumonia



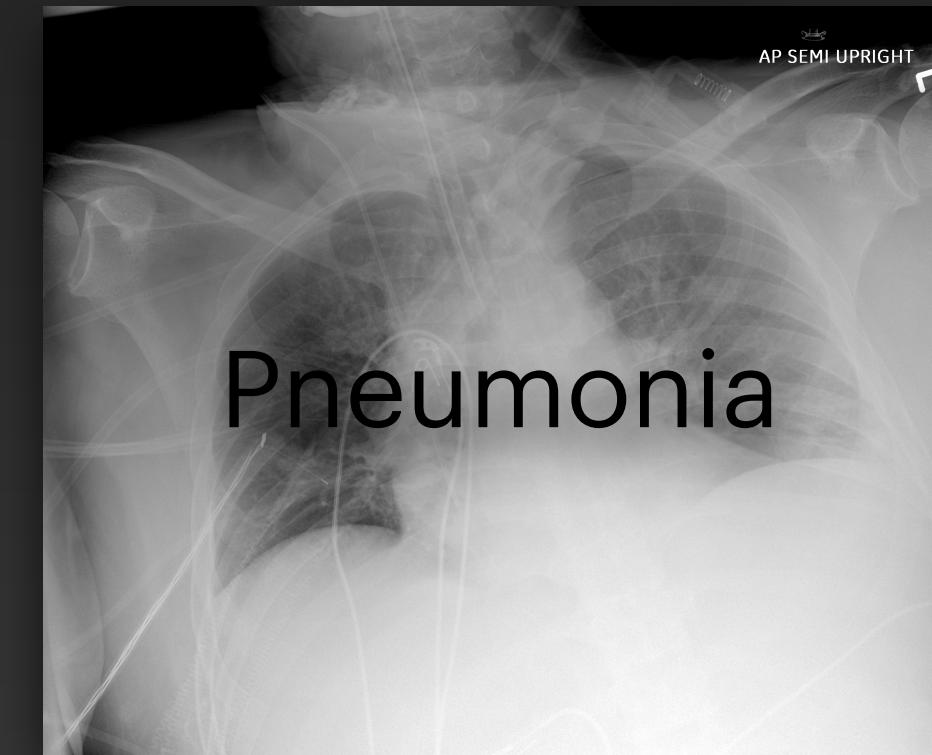
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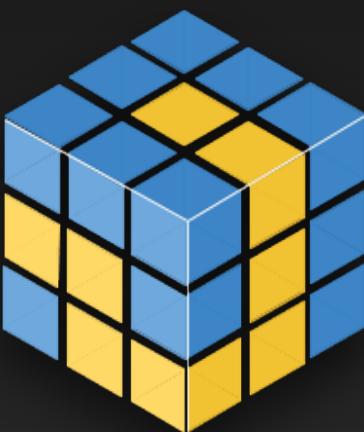
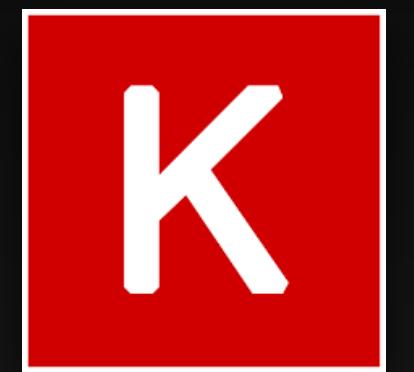


COVID-19

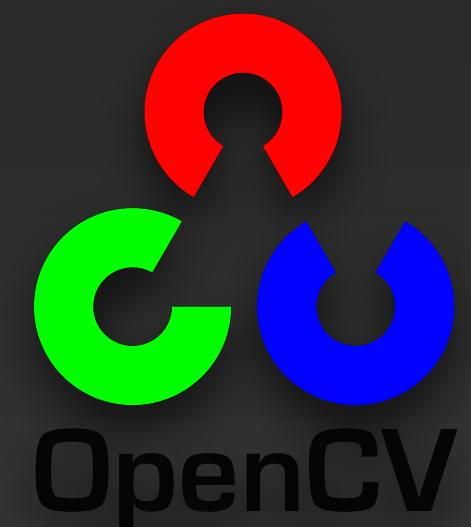


# Conclusions

# Thank You



NumPy



Flask



/brentthayer1



/brentthayer1

