Dataset Description

Class ID	Disease / Condition	Raw Count	Augmented/ Balanced
00	Normal	1340	1000
01	Pneumonia	1060	1000
02	Higher density	678	1000
03	Lower density	629	1000
04	Obstructive pulmonary diseases	644	1000
05	Degenerative infectious diseases	594	1000
06	Encapsulated lesions	658	1000
07	Mediastinal changes	596	1000
08	Chest changes	544	1000

Hold out test

train	val	test
7200	900	900

Classification Report, Confusion Matrix, Training history plot, Ablation Studies and Result (Accuracy) 99.22% All from this Hold out test

5 Fold Stratified CV

We combined the **train and validation set** 7200 + 900 images -> 8100 then performed the CV

Fold	Total Images	Images per Class	Total Classes
Fold 1	1620	180	9
Fold 2	1620	180	9
Fold 3	1620	180	9
Fold 4	1620	180	9
Fold 5	1620	180	9