Collecting stats from Test sample...

Test sample: 100%| 1000/1000 [01:16<00:00, 13.14it/s]

Collecting stats from Train sample...

Train sample: 100%| 1000/1000 [01:07<00:00, 14.78it/s]

■ - Dataset summary -

Total DICOM files available: 29,684

Sample used for EDA : 1,000 test | 1,000 train

 Unique image shapes found : {(1024, 1024)}

 Unique modalities found : {'CR'} Unique patients in sample : 2,000

嶐 — Data dictionary —

- pixel_array: 2-D NumPy array of raw pixel values

- Modality: Imaging modality (e.g., CT, MR, CR)

- PatientID: De-identified unique patient identifier

- pixel_mean: Mean pixel intensity of the image

- pixel_std: Standard deviation of pixel intensity

■ RSNA Pneumonia Detailed Class Summary:

- Lung Opacity : 6,012 - No Lung Opacity / Not Normal : 11,821 - Normal : 8,851











No Lung Opacity / Not Normal (ea16c1f4-0637-4099-a2f3-267796df41faNo Lung Opacity / Not Normal (9c7512df-1d76-4ed9-83f9-2f35482ce48f)





Normal (cf6b10b8-de21-4cb6-b7d0-a3d3ef557412)





Super(/.___IIIIL__(accivity_regularizer-accivity_regularizer, ***\wargs/
Model: "sequential_1"

Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 222, 222, 32)	320
max_pooling2d (MaxPooling2D)	(None, 111, 111, 32)	0
conv2d_1 (Conv2D)	(None, 109, 109, 64)	18,496
max_pooling2d_1 (MaxPooling2D)	(None, 54, 54, 64)	0
flatten (Flatten)	(None, 186624)	0
dense_1 (Dense)	(None, 1)	186,625

Total params: 205,441 (802.50 KB) **Trainable params: 205,441** (802.50 KB)

Non-trainable params: 0 (0.00 B)



