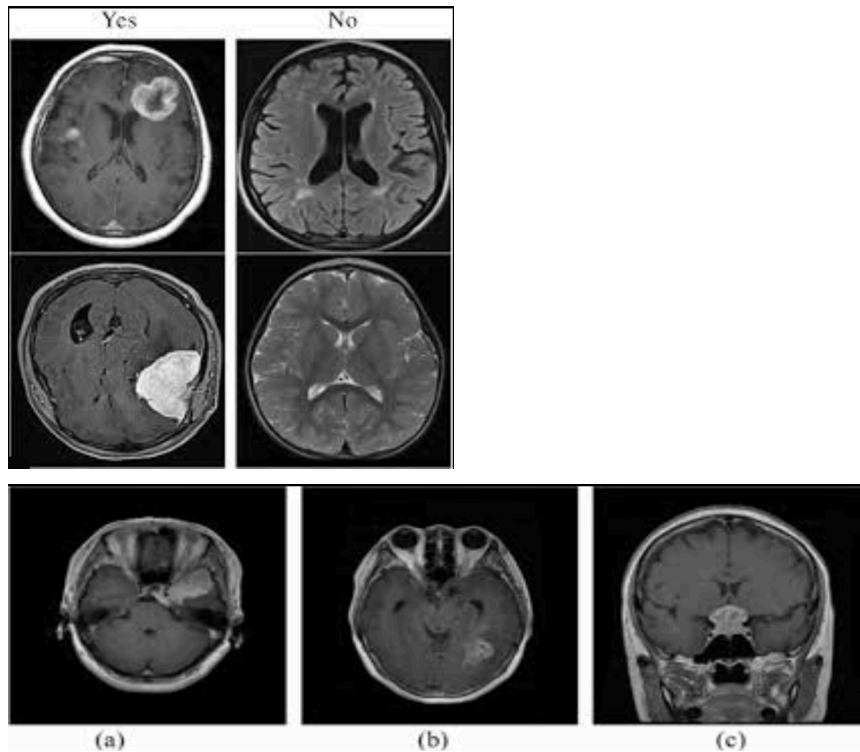**DATA SET 1**: *Brain Tumor MRI Dataset*


- Type of imaging data: MRI
- Number of images:1311 images
- Classes/Labels:
    1. Glioma
    2. Meningioma
    3. No tumor
    4. pituitary
- Dataset imbalance: Tumor classes have more images compared to "no tumor" class
- Challenges observed:
    1. Some images have noise
    2. Tumors differe in size and shape

BRIEF SUMMARY:

This dataset contains MRI Scans of the brain for tumor classification.variaions in contrast ,size, and tumor appearance makes the classification more difficult.Class imbalance may affect model performance.
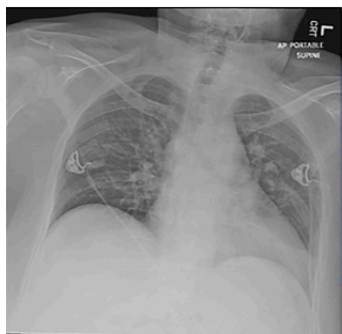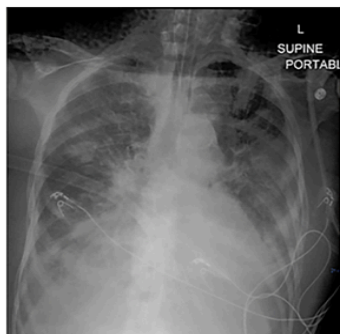
DATA SET 2: COVID-19 Chest X-ray Dataset
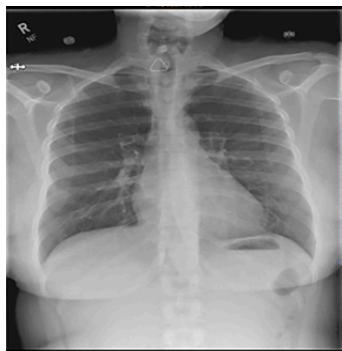
Normal

Mildly Abnormal
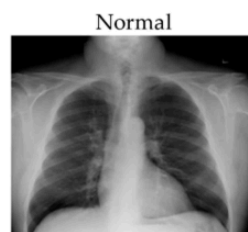
Moderately Abnormal

Severely Abnormal
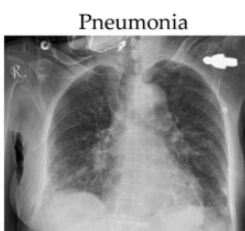
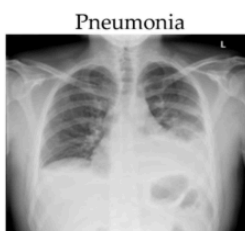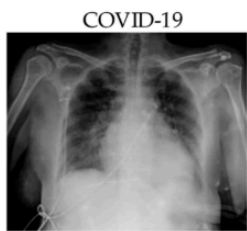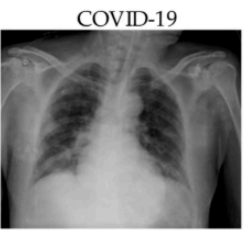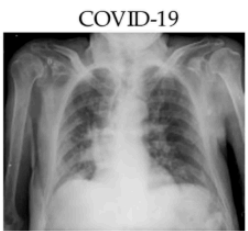| Normal	Normal	Normal	Normal
Pneumonia	Pneumonia	Pneumonia	Pneumonia
COVID-19	COVID-19	COVID-19	COVID-19
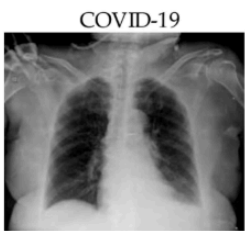
- Type if image data: Chest X-Ray
- Number of images: 6432
- Classes/Labels:
    1. Covid 19
    2. Normal
    3. Viral pneumonia
- Dataset imbalance:
    1. Normal class has more images than COVID19
- Challenges observed:
    1. Overlapping visual patterns between pneumonia and COVID 19.
    2. They have different image resolutions.
    3. Some images are noisy.

BRIEF SUMMARY:

This dataset is used for detecting COVID 19 for chest X rays.