

Supplemental Materials

A. Fine-Grained Labels of our proposed dataset

We give fine-grained labels of each image in our dataset, which contains patient sex, patient age, and other detailed information. Table 10 shows a list of each labels with explanations where relevant.

Table 10: Fine-Grained Label

Label	Description
patientid	Internal identifier.
offset	Number of days since the start of symptoms or hospitalization for each image or blank if unknown.
sex	Male (M), Female (F), or blank. Some patients are only given age period.
age	Age of the patient in years, or blank if unknown.
finding	Different types of pneumonia cause.
Label	Bacterial Pneumonia or Viral Pneumonia Bacterial Pneumonia.
Detail_label	Coronavirus Pneumonia or Influenza(H1N1) Pneumonia. Blank is only used for Bacterial Pneumonia.
Coarse_label	COVID19 or Non-COVID19.
survival	Yes (Y) or no (N) or blank if unknown
intubated	Yes (Y) if the patient was intubated (or ventilated) at any point during this illness or No (N) or blank if unknown.
went_icu	Yes (Y) if the patient was in the ICU (intensive care unit) or CCU (critical care unit) at any point during this illness or No (N) or blank if unknown.
needed_supplemental_O2	Yes (Y) if the patient required supplemental oxygen at any point during this illness or No (N) or blank if unknown.
extubated	Yes (Y) if the patient was successfully extubated or No (N) or blank if unknown.
temperature	Temperature of the patient in Celsius at the time of the image or blank if unknown.
pO2_saturation	partial pressure of oxygen saturation in % at the time of the image or blank if unknown.
wbc_count	white blood cell count in units of $10^3/\mu\text{L}$ at the time of the image or blank if unknown.
neutrophil_count	neutrophil cell count in units of $10^3/\mu\text{L}$ at the time of the image or blank if unknown.
lymphocyte_count	lymphocyte cell count in units of $10^3/\mu\text{L}$ at the time of the image or blank if unknown.
view	Posteroanterior (PA), Anteroposterior (AP), AP Supine (APS), or Lateral (L) for X-rays, blank means that we are not sure that image is Posteroanterior (PA), Anteroposterior (AP), but definitely not Lateral (L) for X-rays.
modality	Axial for CT scans.
filename	CT or X-ray Name with png extension