PROBLEM SOLUTION FIT

Improve treatment methods and health management as well as recognition and diagnosis. However, the optimal effectiveness of AI tools during COVID-19 pandemic depends on the extent of human input and collaboration in different roles humans play In this historical period, especially in the emergency department, the differential diagnosis of GGO is based on the exclusion of the new viral lung infection caused by a novel virus named SARS-CoV-2 (severe acute respiratory syndrome Coronavirus 2) . This new coronavirus causes a highly infectious disease, commonly called Coronavirus disease .

Ground-glass opacity (GGO) is a non-specific term defined by the Fleischner society as the presence on high-resolution computed tomography (HRCT) of a hazy increase in lung density, not associated with obscuration of the underlying vessels or bronchial walls; if vessels are obscured, the term “consolidation” is preferred . GGO reflects the presence of a various number of lung diseases, such as alveolar collapse, interstitial thickening, or air-space disease: GGO tends to be difficult to be identified radio graphically especially in mild cases: this is because the differential diagnosis .GGO is mainly based on HRCT .

In this pandemic period, a multidisciplinary assessment of the patient is extremely effective in avoiding unnecessary hospitalization or reducing the risk of infection and quarantine, even among health care workers.