Special Issue

Using Artificial Intelligence for the Early Detection of Pneumonia and Its Further Management

Message from the Guest Editor

Pneumonia is one of the most important infectious diseases and is caused by a number of infectious pathogens, including viruses, bacteria and fungi. Pneumonia may have a devastating effect on morbidities and mortality in the elderly population. How best to pursue diagnosis and treatment is an important issue. We aim to encourage researchers to investigate the efficiency of the diagnostic processes for pneumonia and the early identification of the disease. Therefore, the early detection and treatment of pneumonia may improve the prognosis. Previous studies have shown that Artificial Intelligence can help physicians to analyze and detect disease at an early stage. Artificial intelligence increases sensitivity and specificity to correctly identify patients who have the disease. Machine learning models can also integrate with the existing hospital information system to provide physicians with a useful decision-making reference. It may be useful to set prediction models with patients' characteristics, laboratory data, and comorbidities for the early detection of pneumonia.

Guest Editor

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