

Covid 19 Detection System Using Machine Learning

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Abstract: *The 2019 coronavirus pandemic is expanding worldwide (COVID-19). The new development in technology of artificial intelligence (AI) further enhance the potential of imagery software and support medical specialists plays an important role in the international war against COVID-19. In this section, we analyses the fast responses to COVID-19 in the medical imaging community (enhanced by AI). For example, AI-enabling image acquisition may make a major contribution to automating the scan process, and also to reshape the workflow with low patient interaction so that imaging technicians are better protected. The precise delineation of pathogens in X-rays images, thereby allowing AI to increase work performance, encouraging subsequent quantification. In addition, radiologists make clinical assessments, i.e. diagnosis, monitoring and prognosis, using computer assisted platforms.*

Keywords: COVID-19, Deep Learning, Convolution neural network, noisy label, segmentation, Lung Infection.

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