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(54) Title of the invention : CNN-LSTM BASED COVID-19 DIAGNOSIS FROM CHEST CT SCANS

(57) Abstract :

The use of CNN-based architectures in disease diagnostic aided systems results from advancements in deep learning and the availability of medical imaging data in the field. However, CT scans may be used as a complement to reverse transcription-polymerase chain reaction (RT-PCR)-based studies because of their high sensitivity rates. COVID-19 pneumonia and non-COVID-19 pneumonia are studied here utilizing deep learning approaches that may be easily deployed in any hospital.

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